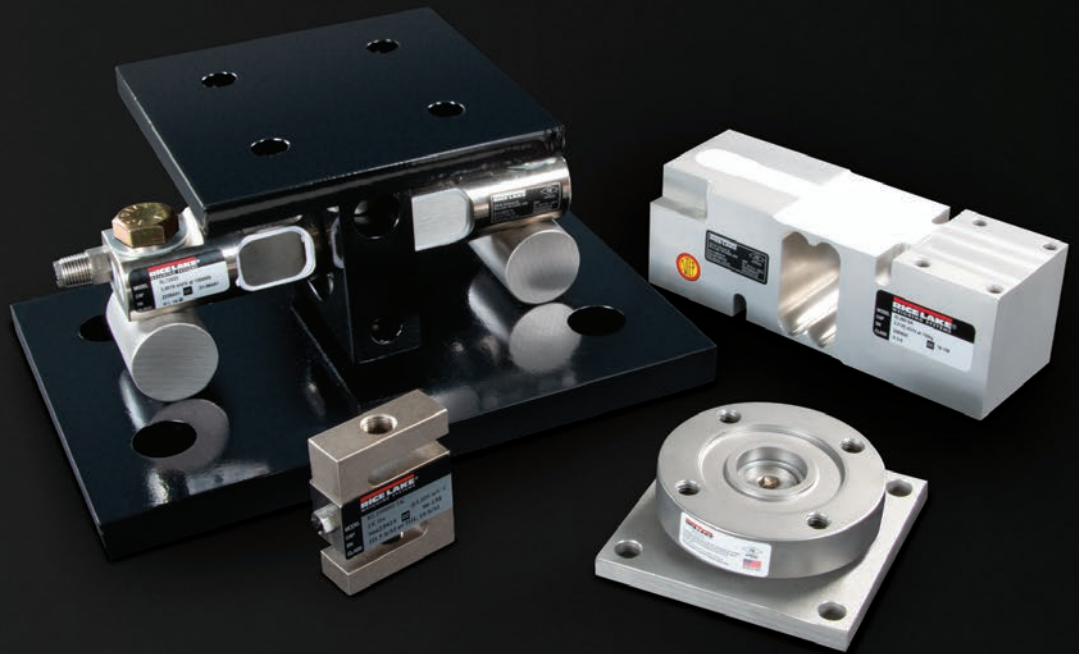


2023

# LOAD CELL GUIDE

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## 1



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| VPG Tedea-Huntleigh | 1250       | VPG Tedea-Huntleigh | 1250 Potted Single Point                | page 334 |
| VPG Tedea-Huntleigh | 1022       | VPG Celtron         | LPS Single Point                        | page 209 |
| VPG Tedea-Huntleigh | 1250       | VPG Celtron         | LOC Single Point Heavy Capacity         | page 210 |
| VPG/HBM             | PW12       | VPG Celtron         | LOC Single Point Heavy Capacity         | page 210 |

## VPG BLH

| Manufacturer        | Model                    | Manufacturer | Model                           | Page #   |
|---------------------|--------------------------|--------------|---------------------------------|----------|
| Fairbanks           | 3-38065-X, 3-38066-X     | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Fairbanks           | 3-38054-X                | VPG BLH      | C3P1 Compression Canister       | page 193 |
| Fairbanks           | 657090, 657091           | VPG BLH      | T2P1 Tension Canister           | page 194 |
| Fairbanks           | 3-39897-X, 3-40766-X     | VPG BLH      | T3P1 Tension Canister           | page 195 |
| HBM                 | C10                      | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Interface           | MB                       | VPG Celtron  | MBB Single-ended Beam           | page 205 |
| Mettler Toledo      | 10049200A, 10014900A     | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Mettler Toledo      | 10011900A, 10049300AA    | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Mettler Toledo      | 1004400A, KN713700       | VPG BLH      | C3P1 Compression Canister       | page 193 |
| Mettler Toledo      | KB200570, 10049100A      | VPG BLH      | C3P1 Compression Canister       | page 193 |
| Mettler Toledo      | 10048X00A, KN75066       | VPG BLH      | T3P1 Tension Canister           | page 195 |
| NMB                 | C2G1                     | VPG Celtron  | LPS Single Point                | page 209 |
| Rice Lake           | RL20000                  | VPG Celtron  | STC Low-capacity S-beam         | page 199 |
| Rice Lake           | RL20001                  | VPG Celtron  | STC S-beam                      | page 200 |
| Rice Lake           | RL35023                  | VPG Celtron  | SQB Single-ended Shear Beam     | page 203 |
| Rice Lake           | RL75016                  | VPG Celtron  | DSR Double-ended Shear Beam     | page 207 |
| Rice Lake           | RL75058                  | VPG Celtron  | CLB Double-ended Beam           | page 208 |
| Rice Lake           | RL1521A                  | VPG Celtron  | LPS Single Point                | page 209 |
| Rice Lake           | RL1250                   | VPG Celtron  | LOC Single Point Heavy Capacity | page 210 |
| Rice Lake           | RLPWM12                  | VPG Celtron  | LOC Single Point Heavy Capacity | page 210 |
| Rice Lake           | RL90000                  | VPG Celtron  | LCD Compression Disk            | page 211 |
| Streeter Richardson | 2011611, 2011612         | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Streeter Richardson | 2011613, 2011614, 201617 | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Streeter Richardson | 2011711, 2011712         | VPG BLH      | T2P1 Tension Canister           | page 194 |
| Streeter Richardson | 20117XX                  | VPG BLH      | T3P1 Tension Canister           | page 195 |
| VPG BLH             | C2G1                     | VPG Celtron  | LPS Single Point                | page 209 |
| VPG Revere          | CBU                      | VPG Celtron  | MBB Single-ended Beam           | page 205 |
| VPG Revere          | 5203                     | VPG Celtron  | DSR Double-ended Shear Beam     | page 207 |
| VPG Sensortronics   | 60063                    | VPG Celtron  | STC Low-capacity S-beam         | page 199 |
| VPG Sensortronics   | 60001                    | VPG Celtron  | STC S-beam                      | page 200 |
| VPG Sensortronics   | 60050                    | VPG Celtron  | STC SS S-beam                   | page 201 |
| VPG Sensortronics   | 65023                    | VPG Celtron  | SQB Single-ended Shear Beam     | page 203 |
| VPG Sensortronics   | 65007                    | VPG Celtron  | MBB Single-ended Beam           | page 205 |
| VPG Sensortronics   | 65016                    | VPG Celtron  | DSR Double-ended Shear Beam     | page 207 |
| VPG Sensortronics   | 65058                    | VPG Celtron  | CLB Double-ended Beam           | page 208 |
| VPG Tedea-Huntleigh | 1022                     | VPG Celtron  | LPS Single Point                | page 209 |
| VPG Tedea-Huntleigh | 1250                     | VPG Celtron  | LOC Single Point Heavy Capacity | page 210 |
| VPG/HBM             | PW12                     | VPG Celtron  | LOC Single Point Heavy Capacity | page 210 |

## VPG Celtron

| Manufacturer        | Model   | Manufacturer        | Model                                   | Page #   |
|---------------------|---------|---------------------|---|----------|
| Interface           | MB      | VPG Celtron         | CLB Double-ended Beam                   | page 208 |
| NMB                 | C2G1    | VPG Celtron         | LPS Single Point                        | page 209 |
| Rice Lake           | RL20000 | VPG Celtron         | LOC Single Point Heavy Capacity         | page 210 |
| Rice Lake           | RL20001 | VPG Celtron         | LCD Compression Disk                    | page 211 |
| Sensortronics       | RL35023 | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| Streeter Amet       | RL75016 | Rice Lake           | RLCSP1 Compression Canister             | page 156 |
| Streeter Richardson | RL75058 | VPG BLH             | C2P1 Compression Canister               | page 192 |
| Streeter Richardson | RL1521A | VPG BLH             | C2P1 Compression Canister               | page 192 |
| Streeter Richardson | RL1250  | VPG BLH             | T2P1 Tension Canister                   | page 194 |
| Streeter Richardson | RLPWM12 | VPG BLH             | T3P1 Tension Canister                   | page 195 |
| Thurman             | RL90000 | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| Thurman             | C2G1    | Rice Lake           | RL75040 Double-ended Beam               | page 155 |
| Unibridge           | CBU     | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| VPG BLH             | 5203    | Rice Lake           | RL1521A Single Point                    | page 168 |
| VPG BLH             | 60063   | VPG Celtron         | LPS Single Point                        | page 209 |
| VPG Celtron         | 60001   | Rice Lake           | RL200001I S-beam                        | page 107 |
| VPG Celtron         | 60050   | Rice Lake           | RL75016 Double-ended Beam               | page 143 |
| VPG Celtron         | 65023   | Rice Lake           | RL75016SS Double-ended Beam             | page 145 |
| VPG Celtron         | 65007   | Rice Lake           | RL75058I Double-ended Beam              | page 148 |
| VPG Celtron         | 65016   | Rice Lake           | RL75040 Double-ended Beam               | page 155 |
| VPG Celtron         | 65058   | Rice Lake           | RL90000 Compression Disk                | page 161 |
| VPG Celtron         | 1022    | Rice Lake           | RL1521A Single Point                    | page 168 |
| VPG Celtron         | 1250    | Rice Lake           | RL1040 Potted and Unpotted Single Point | page 174 |
| VPG Celtron         | PW12    | VPG Tedea-Huntleigh | 1250 Potted Single Point                | page 334 |

## Flintec

| Manufacturer        | Model         | Manufacturer | Model                 | Page #   |
|---------------------|---------------|--------------|-----------------------|----------|
| Fairbanks           | LCF-HR4050-3  | Flintec      | SLB Single-ended Beam | page 218 |
| Fairbanks           | LCF-HR4020-1  | Flintec      | RC1 Rocker Column     | page 225 |
| Fairbanks           | LCF-HR4020-2A | Flintec      | RC3 Rocker Cell       | page 226 |
| Rice Lake           | RL1250        | Flintec      | PCB Single Point      | page 227 |
| Rice Lake           | RLPC6         | Flintec      | PC6 Single Point      | page 231 |
| VPG Celtron         | LOC           | Flintec      | PCB Single Point      | page 227 |
| VPG Tedea-Huntleigh | 1250          | Flintec      | PCB Single Point      | page 227 |

HBM

CUSTOMER  
ASSISTANCE

| Manufacturer        | Model                                     | Manufacturer | Model                 | Page #   |
|---------------------|---|--------------|-----------------------|----------|
| Fairbanks           | 3-481XX-1, 3-486XX-1                      | HBM          | BBS Single-ended Beam | page 237 |
| Fairbanks           | 3-53581-X, 3-52921-1                      | HBM          | PW15 Single Point     | page 241 |
| HBM                 | SS4                                       | HBM          | H35 Single-ended Beam | page 236 |
| Mettler Toledo      | TB601019-008 (500 lb, 2,500 lb, 5,000 lb) | HBM          | H35 Single-ended Beam | page 236 |
| Rice Lake           | RL39123                                   | HBM          | BBS Single-ended Beam | page 237 |
| Rice Lake           | RL30745                                   | HBM          | Z6 Single-ended Beam  | page 238 |
| Rice Lake           | RLBLC                                     | HBM          | SP4M Single Point     | page 240 |
| Rice Lake           | RL1250                                    | HBM          | PW15AH Single Point   | page 242 |
| Rice Lake           | RLPWM16                                   | HBM          | PWS Single Point      | page 243 |
| Rice Lake           | RL1260                                    | HBM          | BBS Single-ended Beam | page 237 |
| Rice Lake           | RLPWM15                                   | HBM          | Z6 Single-ended Beam  | page 238 |
| Rice Lake           | RL1380                                    | HBM          | Z6 Single-ended Beam  | page 238 |
| VPG BLH             | LBG1                                      | HBM          | BBS Single-ended Beam | page 237 |
| VPG Celtron         | HBB                                       | HBM          | Z6 Single-ended Beam  | page 238 |
| VPG Sensortronics   | 60007                                     | HBM          |                       |          |
| VPG Tedea-Huntleigh | 355                                       | HBM          |                       |          |
| VPG Tedea-Huntleigh | 1250                                      | HBM          |                       |          |
| VPG Tedea-Huntleigh | 1260                                      | HBM          |                       |          |

## VPG Revere

| Manufacturer        | Model                                 | Manufacturer | Model                    | Page #   |
|---------------------|---------------------------------------|--------------|--------------------------|----------|
| Artech              | 30310                                 | VPG Revere   | 5123 Single-ended Beam   | page 258 |
| Artech              | 30410                                 | VPG Revere   | 5723 Link Beam           | page 264 |
| Artech              | 90210                                 | VPG Revere   | CP Compression Canister  | page 276 |
| Artech              | 90310                                 | VPG Revere   | CSP Compression Canister | page 277 |
| Artech              | 90405                                 | VPG Revere   | 792 Compression Canister | page 278 |
| Cardinal            | CP1                                   | VPG Revere   | CP Compression Canister  | page 276 |
| HBM                 | B35                                   | VPG Revere   | 9123 Single-ended Beam   | page 259 |
| HBM                 | Z6                                    | VPG Revere   | SHB Single-ended Beam    | page 265 |
| HBM                 | SB3                                   | VPG Revere   | SSB Single-ended Beam    | page 266 |
| Howe Richardson     | 20908XXX                              | VPG Revere   | CP Compression Canister  | page 276 |
| Howe Richardson     | 244699-000X                           | VPG Revere   | CSP Compression Canister | page 277 |
| NV Technology       | BLC-2-XX-N                            | VPG Revere   | 9803 Double-ended Beam   | page 271 |
| NV Technology       | BLC-1-N-WP                            | VPG Revere   | 9323 Double-ended Beam   | page 272 |
| NV Technology       | BLC-1-N                               | VPG Revere   | 9423 Double-ended Beam   | page 273 |
| VPG Revere          | 5102                                  | VPG Revere   | 9102 Single-ended Beam   | page 262 |
| VPG Revere          | 9102                                  | VPG Revere   | 5102 Single-ended Beam   | page 263 |
| VPG Revere          | 392B                                  | VPG Revere   | CP Compression Canister  | page 276 |
| VPG Revere          | 692B                                  | VPG Revere   | CSP Compression Canister | page 277 |
| Rice Lake           | RL20000                               | VPG Revere   | 363 S-beam               | page 255 |
| Rice Lake           | RL20000SS                             | VPG Revere   | 9363 S-beam              | page 256 |
| Rice Lake           | RL20000ST                             | VPG Revere   | 9363 S-beam              | page 256 |
| Rice Lake           | RL30000                               | VPG Revere   | 5123 Single-ended Beam   | page 258 |
| Rice Lake           | RL39123                               | VPG Revere   | 9123 Single-ended Beam   | page 259 |
| Rice Lake           | RL39523                               | VPG Revere   | 9523 Single-ended Beam   | page 260 |
| Rice Lake           | RLHBB                                 | VPG Revere   | SHB Single-ended Beam    | page 265 |
| Rice Lake           | RLSSB                                 | VPG Revere   | SSB Single-ended Beam    | page 266 |
| Rice Lake           | RL70000                               | VPG Revere   | 5103 Double-ended Beam   | page 267 |
| Rice Lake           | RL70000SS                             | VPG Revere   | 9103 Double-ended Beam   | page 268 |
| Rice Lake           | RL71000HE                             | VPG Revere   | 9103 Double-ended Beam   | page 268 |
| Rice Lake           | RL75223                               | VPG Revere   | 5223 Double-ended Beam   | page 269 |
| Rice Lake           | RLCSP1                                | VPG Revere   | CSP Compression Canister | page 277 |
| Rice Lake           | RL8C2P1SST                            | VPG Revere   | 792 Compression Canister | page 278 |
| Streeter Amet       | 3753070, 3752030,<br>3752040, 3751940 | VPG Revere   | CP Compression Canister  | page 276 |
| Streeter Amet       | 3760XXXX                              | VPG Revere   | CSP Compression Canister | page 277 |
| Thurman             | TSC 800                               | VPG Revere   | 5223 Double-ended Beam   | page 269 |
| Thurman             | 10088970A-50K                         |              | 9803 Double-ended Beam   | page 271 |
| VPG Celtron         | HBB                                   | VPG Revere   | SHB Single-ended Beam    | page 265 |
| VPG Tedeo-Huntleigh | 3411                                  | VPG Revere   | 5123 Single-ended Beam   | page 258 |
| VPG Tedeo-Huntleigh | 355                                   | VPG Revere   | SHB Single-ended Beam    | page 265 |



# VPG Sensortronics

| Manufacturer       | Model           | Manufacturer      | Model                            | Page #   |
|--------------------|-----------------|-------------------|----------------------------------|----------|
| Artech             | 50210           | VPG Sensortronics | 60040 Single-ended Beam          | page 298 |
| Artech             | 80210           | VPG Sensortronics | 65040A-1127W Double-ended Beam   | page 310 |
| Fairbanks          | 65023A-XX-5164  | VPG Sensortronics | 65023A-5297 Single-ended Beam    | page 290 |
| Fairbanks          | Rodan 90814-40K | VPG Sensortronics | 65061A Double-ended Beam         | page 307 |
| Fairbanks          | Rodan 91088-50K | VPG Sensortronics | 65061A Double-ended Beam         | page 307 |
| Fairbanks          | 63951           | VPG Sensortronics | 65114 Rocker Column              | page 311 |
| NCI                | Mark III        | VPG Sensortronics | 60051 Single Point               | page 300 |
| NCI                | Mark IX         | VPG Sensortronics | 60051 Single Point               | page 300 |
| NCI/Weigh-Tronix   | Mark V          | VPG Sensortronics | 60048SS Single Point             | page 299 |
| Pennsylvania       | 65023A-XX-5141  | VPG Sensortronics | 65023A-5107-10 Single-ended Beam | page 291 |
| Revere Transducers | 5203            | VPG Sensortronics | 65016 Double-ended Beam          | page 302 |
| Rice Lake          | RL20001         | VPG Sensortronics | 60001 S-beam                     | page 287 |
| Rice Lake          | RL20001HE       | VPG Sensortronics | 60063 S-beam                     | page 289 |
| Rice Lake          | RL35023         | VPG Sensortronics | 65023A Single-ended Beam         | page 293 |
| Rice Lake          | RL30002         | VPG Sensortronics | 65023A Single-ended Beam         | page 293 |
| Rice Lake          | RL35023S        | VPG Sensortronics | 65023SS Single-ended Beam        | page 294 |
| Rice Lake          | RL35023S        | VPG Sensortronics | 65023S Single-ended Beam         | page 295 |
| Rice Lake          | RL35083         | VPG Sensortronics | 65083 Single-ended Beam          | page 296 |
| Rice Lake          | RL35082         | VPG Sensortronics | 65083S Single-ended Beam         | page 297 |
| Rice Lake          | RL50210         | VPG Sensortronics | 60040 Single-ended Beam          | page 298 |
| Rice Lake          | RL75016         | VPG Sensortronics | 65016 Double-ended Beam          | page 302 |
| Rice Lake          | RL75016WHE      | VPG Sensortronics | 65016W Double-ended Beam         | page 303 |
| Rice Lake          | RL75016WHE      | VPG Sensortronics | 65016WH Double-ended Beam        | page 304 |
| Rice Lake          | RL75058         | VPG Sensortronics | 65058A Double-ended Beam         | page 305 |
| Rice Lake          | RL75060S        | VPG Sensortronics | 65058S Double-ended Beam         | page 306 |
| Rice Lake          | RL75040         | VPG Sensortronics | 65040A Double-ended Beam         | page 308 |
| Rice Lake          | RL75040         | VPG Sensortronics | 65040S Double-ended Beam         | page 309 |
| Rice Lake          | RL75223         | VPG Sensortronics | 65040A-1127W Double-ended Beam   | page 310 |
| Thurman            | TSC 840         | VPG Sensortronics | 65040A Double-ended Beam         | page 308 |
| Thurman            | TSC 800         | VPG Sensortronics | 65040A-1127W Double-ended Beam   | page 310 |
| VPG Celtron        | STC             | VPG Sensortronics | 60001 S-beam                     | page 287 |
| VPG Celtron        | STC-SS          | VPG Sensortronics | 60050 S-beam                     | page 288 |
| VPG Celtron        | SQB             | VPG Sensortronics | 65023A Single-ended Beam         | page 293 |
| VPG Celtron        | SQB-HSS         | VPG Sensortronics | 65083 Single-ended Beam          | page 296 |
| VPG Celtron        | DSR             | VPG Sensortronics | 65016 Double-ended Beam          | page 302 |
| VPG Celtron        | DSR-HSS         | VPG Sensortronics | 65016W Double-ended Beam         | page 303 |
| VPG Celtron        | CLB             | VPG Sensortronics | 65058A Double-ended Beam         | page 305 |
| VPG Celtron        | DLB             | VPG Sensortronics | 65040A Double-ended Beam         | page 308 |
| VPG Revere         | 5503            | VPG Sensortronics | 60040 Single-ended Beam          | page 298 |
| VPG Revere         | 5223            | VPG Sensortronics | 65040A-1127W Double-ended Beam   | page 310 |
| VPG Sensortronics  | 65023 SS        | VPG Sensortronics | 65023S Single-ended Beam         | page 295 |
| VPG Sensortronics  | 65016WH         | VPG Sensortronics | 65016W Double-ended Beam         | page 303 |
| VPG Sensortronics  | 65016W          | VPG Sensortronics | 65016WH Double-ended Beam        | page 304 |
| VPG Sensortronics  | 65040           | VPG Sensortronics | 65040S Double-ended Beam         | page 309 |

## VPG Tedeo-Huntleigh

| Manufacturer        | Model   | Manufacturer        | Model                                      | Page #   |
|---------------------|---------|---------------------|--|----------|
| Flintec             | PCB     | VPG Tedeo-Huntleigh | 1250 Potted Single Point                   | page 334 |
| HBM                 | Z6      | VPG Tedeo-Huntleigh | 355 Single-ended Beam                      | page 321 |
| HBM                 | PW16    | VPG Tedeo-Huntleigh | 1260 Single Point                          | page 331 |
| NMB                 | C2G1    | VPG Tedeo-Huntleigh | 1022 Single Point                          | page 322 |
| VPG Revere          | SHB     | VPG Tedeo-Huntleigh | 355 Single-ended Beam                      | page 321 |
| Rice Lake           | RL30000 | VPG Tedeo-Huntleigh | 3411/3421 Single-ended Beam                | page 318 |
| Rice Lake           | RL39123 | VPG Tedeo-Huntleigh | 3411/3421 Single-ended Beam                | page 318 |
| Rice Lake           | RLHTO   | VPG Tedeo-Huntleigh | 3510 kg Single-ended Beam                  | page 320 |
| Rice Lake           | RLHBB   | VPG Tedeo-Huntleigh | 355 Single-ended Beam                      | page 321 |
| Rice Lake           | RL1521A | VPG Tedeo-Huntleigh | 1022 Single Point                          | page 322 |
| Rice Lake           | RL1010  | VPG Tedeo-Huntleigh | 1010/1015 Potted and Unpotted Single Point | page 323 |
| Rice Lake           | RL1042  | VPG Tedeo-Huntleigh | 1042 Single Point                          | page 325 |
| Rice Lake           | RL1042  | VPG Tedeo-Huntleigh | 1042S Single Point                         | page 325 |
| Rice Lake           | RL1040  | VPG Tedeo-Huntleigh | 1040 Potted and Unpotted Single Point      | page 326 |
| Rice Lake           | RL1140  | VPG Tedeo-Huntleigh | 1140 Single Point                          | page 328 |
| Rice Lake           | 220     | VPG Tedeo-Huntleigh | 220 Compression                            | page 340 |
| Rice Lake           | RL1260  | VPG Tedeo-Huntleigh | 1260 Single Point                          | page 331 |
| Rice Lake           | RL1260  | VPG Tedeo-Huntleigh | 1260S Single Point                         | page 332 |
| Rice Lake           | RL1250  | VPG Tedeo-Huntleigh | 1250 Potted Single Point                   | page 334 |
| VPG BLH             | C2G1    | VPG Tedeo-Huntleigh | 1022 Single Point                          | page 322 |
| VPG Celtron         | SQB-HSS | VPG Tedeo-Huntleigh | 3510 lb Single-ended Beam                  | page 319 |
| VPG Celtron         | HBB     | VPG Tedeo-Huntleigh | 355 Single-ended Beam                      | page 321 |
| VPG Celtron         | LPS     | VPG Tedeo-Huntleigh | 1022 Single Point                          | page 322 |
| VPG Celtron         | LOC     | VPG Tedeo-Huntleigh | 1040 Potted and Unpotted Single Point      | page 326 |
| VPG Celtron         | LOC     | VPG Tedeo-Huntleigh | 1250 Potted Single Point                   | page 334 |
| VPG Celtron         | HOC     | VPG Tedeo-Huntleigh | 1320 Single Point                          | page 335 |
| VPG Revere          | 5123    | VPG Tedeo-Huntleigh | 3411/3421 Single-ended Beam                | page 318 |
| VPG Revere          | 9123    | VPG Tedeo-Huntleigh | 3411/3421 Single-ended Beam                | page 318 |
| VPG Sensortronics   | 65083   | VPG Tedeo-Huntleigh | 3510 lb Single-ended Beam                  | page 319 |
| VPG Tedeo-Huntleigh | 1260    | VPG Tedeo-Huntleigh | 1260S Single Point                         | page 332 |
| Weigh-Tronix        | MK29    | VPG Tedeo-Huntleigh | 1130 Single Point                          | page 327 |

# Shipping Information

| FREIGHT SERVICES OFFERED             | "SMALL PACK" | LTL | TRUCK LOAD |
|--------------------------------------|--------------|-----|------------|
| Nationwide Same Day Service          | Y* ***       | Y*  | N          |
| Next Day (AM)                        | Y**          | Y** | Y**        |
| Next Day (END OF DAY)                | Y            | Y** | Y**        |
| 2 Day                                | Y            | Y   | Y          |
| 3 Day                                | Y            | Y   | Y          |
| Ground                               | Y            | Y   | Y          |
| Canada                               | Y            | Y   | Y          |
| Mexico                               | Y            | Y   | Y          |
| Express Freight (Air-over 150 lb)*** | Y            | Y   | N          |
| International (Sea)                  | Y            | Y   | Y          |
| International (Air)                  | Y            | Y   | N          |

\* Subject to cost/distance

\*\* Subject to distance

\*\*\* Subject to flight availability and proximity of nearest airport

## Same Day Services

These services do not carry the same service guarantees that standard delivery schedules do and are subject to availability.

## Small Parcel Services

We ship with internationally recognized parcel carriers based on delivery time and services offered.

## Determining Dimensional Weight for Small Parcel Shipments for Air and Ground

When shipping via air services, carriers require the shipping weight be determined by the greater of the boxed product's actual weight or its dimensional shipping weight. The formula for calculating dimensional shipping weight is as follows:

Domestic shipments via Ground or Air:  $L \times W \times H / 139$ .

International air shipments:  $L \times W \times H / 139$ .

Please note: Rice Lake Weighing Systems takes the added precaution of double-boxing some of our electronic products and balances. This may result in higher dimensional weight charges by the carrier. Even with this added precaution, we suggest you always ship high precision and fragile products via air services to reduce excessive handling.

## Less Than Truckload (LTL)

Full service LTL coverage for the continental United States, Puerto Rico, Canada and Mexico.

Note: A standard LTL delivery is considered to be one that ships from either a company or partner dock to arrival at a standard commercial address with disposition of the goods at the rear of the truck to enable off loading by material handling equipment provided by the consignee at either ground level or via loading dock. The freight in question should be palletized and secured in a way to facilitate the safe handling of the freight with no one dimension over seven feet, six inches.

Any LTL delivery falling outside of this criteria may well accrue accessorial charges levied by the carrier in line with their tariff rules. It is recommended that any potential accessorial costs are discussed at the time of order placement so these costs can be billed appropriately at the time of shipment. If this is not the case, Rice Lake reserves the right to charge the customer retrospectively for any accessorial costs incurred during the delivery process.

Accessorial charges include, but are not limited to the following:

Lift gate, call for appointment and guaranteed delivery: Day and by 10:30 a.m. (where available). Excessive length, inside delivery

**NOTE: To inside of first threshold crossed only**, high cost delivery areas such as government sites and mines, re-delivery, re-consignment, residential and restricted access shipments. All prices are available on request.

## Full Truckload

Various truckload providers give us the ability to ship to the contiguous United States, Alaska, Canada and Mexico.

## Forwarders (International Freight)

We can provide service through a forwarder of our choice, or select one of your preferred forwarders.

**Air freight:** All of our forwarders are internationally recognized brands.

**Ocean freight:** All of our forwarders are internationally recognized brands.

## Rice Lake Weighing Systems Freight Claims Procedure

Incidents can happen anytime between a package's departure from Rice Lake's loading dock and the time you receive it. For that reason, we are asking you to follow the procedures below when receiving a shipment.

The Bill of Lading (BOL) or Delivery Receipt (D/R) is the only record of the product's condition when it arrives at your site. If you do not inspect a shipment before signing, you are essentially waiving the right to collect on a damage claim regardless of whether the damage is visible or concealed. Your signature on a delivering carrier's BOL or D/R constitutes acceptance of the merchandise "as is." This proof is essential in filing a claim and holding the responsible parties accountable for items damaged or missing while in transit. Remember, once you sign, the goods and responsibility are yours.

### Receiving a Shipment

- Check immediately for possible damage during shipment. Inspect, examine and inventory your delivery as it is unloaded.
- Open cartons and containers. Any suspicion of damage or shortage must be noted on the BOL or D/R. This information must include the item, discrepancy and condition of the item in question. If this is NOT noted, the liability to prove the damage was done by the delivering carrier is your responsibility.
- The driver cannot leave your receiving dock until the BOL or D/R is signed, regardless if they are behind schedule or not. Do not be intimidated by the driver.

### Damaged Shipment

- Discovered damage: If the box, crate or merchandise is visibly damaged, beyond what you would consider to be normal shipping wear and tear, refuse the delivery and request a Return Authorization Number from the driver in order for the shipment to be sent back to its origin at no charge.
- Concealed damage: Immediately document and photograph the damage and packaging. Keep all crating and packaging material with the damaged item(s) for inspection by the company's claim inspector until told to either return or dispose of the item(s). The item should be moved minimally; only to an area where it can be inspected by the carrier or their agent.
- Keep a second copy of the BOL or D/R noting the damage and the driver's signature.
- Call your Rice Lake Weighing Systems customer service representative to report the shortage and/or damage. Ideally, the call should be made before the driver leaves the site.

At this point, a claim for concealed damage will be started and an inspection will be requested. The inspector will determine if the damage was possibly caused by the carrier. A report and claim must be filed with the carrier within seven days after delivery. The sooner concealed damage is discovered and reported, the better.

### Small Parcel Shipments

In general, it is the policy of small parcel carriers to NOT deliver damaged packages but rather take them back to the distribution center for evaluation. HOWEVER, that does not always happen. Occasionally if the package is deemed to be ok, it will be re-taped and delivered to the consignee. If damage is noticed while still at the distribution center, a notation should have been entered into the system.

If you do receive a package that appears to be damaged you can either refuse as damaged or you can accept the damaged package and report the damage (immediately) to your Rice Lake customer service representative with the tracking number. They will, in turn, contact the relevant team member from their support group so the claims process can be started. It should be noted that **drivers do not normally note the package was damaged until it is brought back to the distribution center. A clerk will note damage at that point.**

### Questions

If you have any questions about shipping or potential damages to your shipment, contact us at 800-472-6703 and a member of our sales and logistics team will assist you.

# Customer Service Contacts

At Rice Lake Weighing Systems we strive to give you the best customer service in the industry. You can depend on our knowledgeable staff to deliver decisive, courteous assistance when you need it most.

Customer Service Representative Hours (CST):

Monday through Friday 6:30 AM to 6:30 PM; Saturday 8:00 AM to Noon

## United States and Canada Field Sales



**Tim Campbell**  
Great Lakes Region  
715-434-5067



**Jeff Canfield**  
Allegheny Region  
715-434-5081



**Jim Gruchalla**  
Lower Midwest Region  
715-434-5084



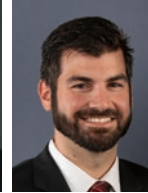
**Chris Hanson**  
Mid-Southeast Region  
715-434-5069



**Reggie Mabe**  
Eastern Canada Region  
715-434-5049



**Monte Martinson**  
Upper Midwest Region  
715-736-6466



**Gabriel Ruberti**  
Southeast Region  
715-434-5157



**Jim O'Brien**  
Northeast Region  
715-736-6487



**Murray Stewart**  
Western Canada Region  
715-434-5194



**Tommy Nix**  
Southwest Region  
715-434-5047



**Steve Delaney**  
Mid-Southwest Region  
715-434-5293



**Jon Spencer**  
Northwest Region  
715-434-5370

## International Field Sales



**Manuel Talancon**  
International Sales  
Director  
+39 388 457 0497



**Martin Devilla**  
Rice Lake de Mexico  
+52 81 1516 5938



**Jose Mathew**  
Southeast Asia  
715-434-5048



**Jaap Oosterlee**  
Master Brand Europe  
+31 06 30048248



**Frank Da Silva**  
Central/South America  
+507 6977 4115



**Alan Mostowfi**  
Middle East/Balkans  
+39 344 2532967



**Phil Maillols**  
Oceania  
+61 45 144 1755



**Marco Casolari**  
Northern Europe  
+39 329 649 9997



**George Cox**  
UK/Ireland  
+44 07821 122257



**Luca Prampolini**  
Spain/Portugal/  
Eastern Europe  
+39 344 2528841



**Andrea Mazzone**  
Italy  
+39 377 1697446



**Stefano Ferli**  
Italy/OEM  
+39 351 273 1978



**Vitaliy Domalchuk**  
Central Europe/Russia  
+39 344 2686947



**Alessio Balatti**  
France  
+39 344 2528126



**Mathieu Favreau**  
France  
+33 0148 734 347



**Alessandro Mattioli**  
UK/Italy/OEM  
+39 0536 843 418



**May Deng**  
China  
+86 21 66314055



**Massimo Zanotti**  
Africa  
+39 348 8707493



**Paolo Picotti**  
Italy  
+39 348 5213857



**Robert Brzozowski**  
Poland  
+48 664 085 410



# Customer Service Contacts

CUSTOMER  
ASSISTANCE

## Customer Relations



**Mark O. Johnson**  
Chief Executive  
Officer



**Mark Johnson, Jr.**  
President



**Steve Parkman**  
Chief Operating  
Officer



**Nick Peterson**  
Chief Financial  
Officer



**Tom Kowalski**  
Chief Information  
Officer



**Steve Hersman**  
Vice President of  
Global Sales



**Dominic Hodkiewicz**  
Vice President of  
Manufacturing



**Patrick Ranfranz**  
Vice President of  
Marketing



**Glenn Zalusky**  
Vice President  
Strategic Business



**Tim Donahue**  
Director, Global  
Product Management  
and Innovation



**Guru Ganesh**  
Managing Director,  
India



**Walter Hendriks**  
Managing Director,  
Master Brand, Europe



**Massimo  
Corrandini**  
General Manager  
Engineering/  
Manufacturing  
Modena, Italy



**Enrico Tosi**  
General Manager  
Business/HR/Finance  
Modena, Italy



**Kevin Marshall**  
Logistics Manager



**Jim Norvid**  
Director of Mechanical  
Engineering



**Joe Ramos**  
Director of Electrical/  
Software Engineering



**Brandi Harder**  
Quality Manager



**Mike Solie**  
Training Coordinator



**Greg Stager**  
Technical Training  
Specialist

## Inside Sales



**Deanna Stanley**  
Inside Sales Manager



**Keven Jensen**  
Warranty Coordinator



**Shannon Abel**



**Eric Butzler**



**Sonya Hegle**



**Stacie Lashmett-  
Stoeberl**



**Gene Marquardt**



**Jason Mathews**



**Matt Piazza**



**Ray Pumala**



**Sam Solie**



**Jamie Springer**



**John Tennant**



**Casey Sutherland**



**Lynnette  
Thompson**



**Kally Wagner**

# Customer Service Contacts

## Sales Engineers



**Tommy Guest**  
Sales Resource/Tech  
Support Manager



**Tim DeDoncker**



**John Eisele**



**Doug Hagie**



**Sharon Miller**



**Efrain Molinari**  
Habla Español



**Preston Reed**



**Brady Reetz**



**Marvin Stodola**

## Health Sales



**Staci Wiesner**  
715-434-5124

## Heavy Capacity Sales



**Matt Davis**  
Product Manager



**Karen Hansen**



**Stacie Lashmett-  
Stoeberl**



**Matt Piazza**



**Tony Zillmer**

## International Region



**Jennifer  
Krahenbuhl**



**Gloria Miranda**  
Habla Español



**Bobbie Stiver**  
Habla Español  
Parle Français

## Livestock Sales



**Andy Burish**  
Product Manager



**Keven Jensen**



**Gene Marquardt**



**Sam Solie**



**Tony Zillmer**

## MSI Overhead Weighing



**Phil Gray**  
Director of  
Operations



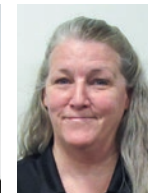
**Bob Davis**  
Field Sales Engineer



**Patrick Hillman**  
Technical Sales &  
Service Specialist



**Jack Nelson**  
Technical Sales  
Specialist



**Sue Radowick**  
Inside Sales



**Rob Nelson**  
Engineering  
Manager



# Customer Service Contacts

CUSTOMER  
ASSISTANCE

## Technical Support



**Tommy Guest**  
Sales Resource/Tech  
Support Manager



**Brian Ballerstein**



**Brent Craine**



**Alan Dobrowolski**



**Mark Hopland**



**Peter Jacobs**



**Torey Nelson**



**Daniel Poler**



**Scott Ross**



**Layne Siverling**



**Joel Thompson**



**Mark Ware**



**Don O'Connell**  
Retail



**Chris Olson**  
Retail



**Matt Rigden**  
Retail

## Repair Department



**Phil Stoeberl**  
Electronic Assembly  
Repair Manager



**Diane Gagner**  
Warranty>Returns



**Lisa Maciosek**  
Warranty>Returns



**Randee Bauch**



**David Deitz**



**Deb Hayton**



**Chad Dobrowolski**



**Tracy Lavalieri**



**Brian Veitch**

## Receptionists



**Terica Schamberger**  
Sales Administration  
Supervisor



**Chantel Holmes**



**Trish Schultz**



**Briana Shramek**

## Financial Services



**Lynette Marshall**  
Financial Services  
Manager



**Wendy Boese**  
Senior Account  
Analyst



**Terri Brinker**  
Account Analyst



**Nicole Dostal**  
Senior Account  
Analyst



**Marcia Fankhauser**  
Account Analyst



**Katie Garling**  
Tax Specialist



**Leanne Madsen**  
Account Analyst



**Melissa Olson**  
Account Analyst

# Customer Assistance

## Product Support

Rice Lake Weighing Systems strives to provide you with the most current and accurate information in our Load Cell Guide. Manufacturers occasionally change specifications or prices after the publication is printed, which is beyond our control. Please consult our sales staff or our website at [www.ricelake.com](http://www.ricelake.com) for the most current information.

## Returns

Our commitment to our distributors states that if any standard product purchased from Rice Lake Weighing Systems does not work, or if the incorrect product is shipped, return it in its original shipping container with all accessories for full credit or replacement within 30 days of purchase. Always inspect the product upon receipt.

Please note that if the incorrect amount of product was shipped, Rice Lake Weighing Systems must be contacted within 30 days of the purchase. Upon notification, we will immediately correct the situation.

We may, at our option, assess a restocking charge if the equipment was incorrectly specified for the application intended, and/or damaged beyond reasonable repair. The restocking charge is directly proportional to the amount of time and material required to return the item to resalable condition—we will make every effort to do this quickly and economically. Equipment that has been abused and/or shows signs of excessive wear, and cannot be reconditioned and resold, will not be accepted for return.

## As Applied to Drop Shipments

All Rice Lake Weighing Systems return guidelines apply to products drop-shipped to your end-user customer. If a perceived error occurs, Rice Lake Weighing Systems will investigate to the best of our ability to determine if the error occurred prior to shipping, during shipping or at the end-user site. If our records and subsequent investigation indicate that the shipment was correct when it left our factory, our responsibility extends only to the distributor, not their end-user. Our standard product warranty notes that our coverage extends only to equipment and systems properly installed by a distributor.

## Trademark Recognition

The following product names, logos, brands and other trademarks featured or referred to within this publication are the property of their respective trademark holders.

|                      |                      |
|----------------------|----------------------|
| DigiTol®             | Masstron®            |
| Flintec®             | Revere Technologies® |
| Artech®              | Fairbanks®           |
| VPG BLH®             | Weigh-Tronix®        |
| VPG Celtron®         | Avery Weigh-Tronix®  |
| VPG Revere®          | Thurman®             |
| VPG Sensortronics®   | Unibridge®           |
| VPG Tedea-Huntleigh® | Howe Richardson®     |
| HBK®                 | Streeter Amet®       |
| HBM®                 | NMB®                 |
| Mettler-Toledo®      | Streeter Richardson® |
| Toledo™              | Interface®           |
| NCI™                 | NV Technology®       |
| Howe™                | Pennsylvania®        |
| PreVent™             | Power Cell®          |
| Cardinal®            | Hecon®               |

The terms “buyer,” “authorized reseller,” and “customer” as used herein, shall mean the party placing the purchase order with Rice Lake Weighing Systems. No contractual relationship between Rice Lake Weighing Systems and said party shall arise until such time as a purchase order has been accepted by Rice Lake Weighing Systems and such acceptance has been indicated on a written acknowledgment. Orders shall be subject to Rice Lake Weighing Systems’ standard terms and conditions as printed below, subject to correction for clerical errors.

Any conditions stipulated by the buyer which are in contradiction to these sales terms and conditions shall only be valid if expressly acknowledged by Rice Lake Weighing Systems in writing.

## 1. Prices

(a) Rice Lake Weighing Systems (Rice Lake) prices are net 30 days Ex Works Rice Lake plants. Orders are subject to approval of our credit department with rights reserved to change or withdraw credit terms without notice and to terminate any orders when invoices for work done thereon have gone unpaid for 60 days.

(b) Prices do not include taxes of any kind by federal, state, municipality or other governmental authority, which Rice Lake may be required to collect or pay with respect to the sale or shipment of goods sold hereunder. Regardless of when any such taxes are determined or become payable, all taxes would be the responsibility of the customer and would be in addition to the prices quoted hereon.

(c) This quotation is made upon the basis of the cost of materials and labor as of the date of this quotation. A change in such costs shall give Rice Lake the right to alter prices to reflect such changes in cost.

(d) Requests for additional documentation, drawings, audits of factories or inspection of equipment in-process, additional testing, additional inspections and record retention will be quoted as a separate item even if we have already issued quotations for products and services.

## 2. Shipment, Title, Risk of Loss

(a) All shipments are Ex Works point of shipment. Title and risk of loss or damage passes to the customer upon presentation of the goods to the customer’s carrier at Rice Lake’s facility.

## 3. Quantity, Materials and Tolerances

(a) Rice Lake assumes no responsibility for loss or damage occurring by reason of delay or inability to deliver caused by fires, strikes, accidents, embargoes, car shortages, delays of carriers, insurrection, riots, acts of the civil or military authorities, nor will we assume responsibility for any reason whatever for damages of any kind on account of failure to deliver at the time specified. The customer shall indemnify and hold Rice Lake harmless from all direct and consequential costs and damages resulting from such loss or delay.

## 4. Weight Calibration Services

The uncertainty of measurement is included in the decision rule in determining pass/fail criteria of the Maximum Permissible Error (MPE).

## 5. Patents

If this quotation covers parts made specifically for the customer, the customer agrees to indemnify and hold Rice Lake harmless against any loss resulting from infringement of patents or trademarks, or from claims of such infringements and shall pay all legal and defense costs incurred by Rice Lake in the defense of such actions.

## 6. Software

Unless specifically otherwise stated, any and all software associated or part of any product sold, loaned on trial or demonstration to the customer is to be considered proprietary to Rice Lake. The customer agrees not to duplicate for distribution or to sell or distribute in any way without the prior written consent of Rice Lake.

## 7. Changes and Cancellation: Rejection, Claims

(a) Orders placed with Rice Lake are not subject to cancellation, change or reduction in amount or suspension of deliveries except with Rice Lake’s consent and upon terms that indemnify Rice Lake against loss. Unless confirmed in writing, all verbal agreements are void.

(b) Rice Lake will not be responsible for changes in design, deliveries or other instructions, unless they are furnished in writing. The customer agrees to pay for all tooling charges caused by changes in design or specifications.

(c) Samples submitted shall be deemed approved unless written rejection is received within two weeks of submission.

(d) Manufactured parts will be shipped and billed as they are produced.

(e) Claims for shortage or rejections for defects must be made within 10 days of receipt of goods. Credit will be rendered on such defective parts after we have had an opportunity to inspect them, provided they are returned to our factory, transportation charges prepaid, within 30 days, and provided they have not been altered or defaced in any way.

## 8. Tooling and Designing

(a) In consideration of the engineering service necessary in the designing of jigs, fixtures and tooling not being charged for, but being quoted on the basis of labor and material only, and not at their fair market value, such jigs, fixtures and tooling shall remain in our possession for at least one year. Thereafter, the customer desiring delivery of such jigs, fixtures and tooling shall pay an engineering charge of 50 percent of the original price of said jigs, fixtures and tooling and accept same as-is.

(b) When requested, we will submit suggestions concerning design and construction of parts, but we will not accept responsibility of liability for the practicability of these suggestions if adopted by the customer.

## 9. Delivery and Adjustment to Price

(a) If the customer requests that the goods be manufactured and shipped on a date (or dates) earlier than originally agreed to by Rice Lake and the customer, and Rice Lake agrees to the earlier date (or dates), any increase in the cost of performance incurred by Rice Lake resulting from earlier manufacture and shipment will be included in an adjustment of the purchase price to be made by Rice Lake and will be paid by the customer.



# Terms and Conditions

(b) Should shipments be held beyond scheduled date for convenience of the customer, goods will be billed and charges will be made for warehousing, trucking and other expenses incident to such delay. Reasonable and sufficient care is taken by Rice Lake in crating its goods. Rice Lake cannot be held responsible for breakage after having received “in-good-order” receipts from the transportation carrier. All claim for loss and damage must be made by the customer to the carrier, but we will assist insofar as practical in securing satisfactory adjustment of such claims.

## 10. Payment and Liens

(a) All invoices shall be due and payable when submitted for payment in accordance with the revisions of Rice Lake terms. No withholding of funds, back charges or credits against amounts otherwise due to Rice Lake will be permitted unless specifically agreed to in writing by Rice Lake. Settlement of any amounts due to the customer will be negotiated as separate items and not as offsets against amounts otherwise due to Rice Lake from the customer for products sold hereunder.

(b) Any unpaid account for work done shall constitute a lien on any jigs, fixtures, manufactured parts and raw materials in Rice Lake possession. In the event any account remains open and unpaid for 90 days, Rice Lake reserves the right to use the customer's jigs and fixtures to make parts therefrom, and to sell or dispose of manufactured parts and raw materials.

(c) The customer shall not assign or transfer any rights or obligations arising from this proposal, or monies payable thereunder, without the prior written consent of Rice Lake, and any such assignment or transfer made without such written consent shall be deemed null and void.

## 11. Additional Provisions

(a) Errors—stenographic and clerical errors are subject to correction.

(b) These terms and conditions constitute the entire contract between the customer and Rice Lake, transcending any oral arrangements or representations which may be inconsistent therewith.

(c) This quotation is made under and shall be governed by the laws of the state of Wisconsin.

## 12. Resale of Rice Lake Weighing Systems Products

In order to ensure compliance with the U.S. Export Administration Regulations we ask you to comply with the following:

(a) The customer shall not export or re-export Rice Lake Weighing Systems products, either directly or indirectly, in contravention of any applicable law, statute or regulation and will first obtain any required licenses or authorizations from the relevant government authority when necessary as prescribed by law.

(b) The customer confirms that it is familiar with and complies with the relevant national and international export control regulations and embargo regulations. The customer furthermore confirms that it is in particular familiar with and complies with the U.S. Department of Commerce, Export Administration Regulations; U.S. Department of Treasury, OFAC Sanctions; the U.S. Department of Defense, ITAR requirements and the U.S. Department of State regulations.

(c) If deemed necessary, Rice Lake Weighing Systems, in individual cases may make further requests from the customer for information required for export compliance.

(d) Should it be necessary for the customer to obtain an export license from the appropriate authorities pursuant to the aforementioned regulations, the customer shall apply for such a license autonomously and at their own expense.

**The foregoing warranties are exclusive and in lieu of all other express and implied warranties whatsoever, including but not limited to implied warranties of merchantability and fitness for a particular purpose. Rice Lake shall not be subject to any other obligations or liabilities whatsoever with respect to parts manufactured or supplied by Rice Lake or services rendered by it.**

**Anything herein to the contrary notwithstanding, Rice Lake shall not be liable for incidental and consequential damages, and in substitution for all remedies which the customer may have under any applicable law. The customer's sole and exclusive remedy against Rice Lake for any breach of warranty or any other breach relating to goods delivered pursuant hereto shall be for repair or replacement (at Rice Lake's option) of the goods or parts effected by such breach.**

## Warranties

### Standard Product Limited Warranty

Rice Lake Weighing Systems (Rice Lake) warrants that all Rice Lake brand equipment and systems properly installed by an Authorized Reseller or original equipment manufacturer (OEM) will operate per written specifications as confirmed by the authorized reseller/OEM and accepted by Rice Lake. All systems and components are warranted against defects in materials and workmanship for one (1) year from the date of shipment from Rice Lake, unless otherwise stated in the product catalog or manual. Rice Lake warrants that the equipment sold here under will conform to the current written specifications authorized by Rice Lake. Rice Lake warrants the equipment against faulty workmanship and defective materials. If any equipment fails to conform to these warranties, **Rice Lake will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:**

Upon discovery by the Customer of such nonconformity, Rice Lake will be given prompt written notice with a detailed explanation of the alleged deficiencies.

Individual electronic components returned to Rice Lake for warranty purposes must be packaged to prevent electrostatic discharge (ESD) damage in shipment. Packaging requirements are listed in the publication, “Protecting Your Components From Static Damage in Shipment,” available from the Rice Lake Equipment Return Department.

Examination of such equipment by Rice Lake confirms that the non-conformity actually exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair, or improper testing. Rice Lake shall be the sole judge of all alleged non-conformities.

# Warranty and Limitation of Liability

Such equipment has not been modified, altered, or changed by any person other than Rice Lake or its duly authorized repair agents.

Cutting the load cell cable will void the warranty.

Rice Lake will have a reasonable time to repair or replace the defective equipment. The Customer is responsible for shipping the product to Rice Lake. Rice Lake is responsible for shipping the product back to the Customer.

In no event will Rice Lake be responsible for travel time or on-location repairs, including assembly or disassembly of equipment. Nor will Rice Lake be liable for the cost of any repairs made by others.

On all intrinsically safe equipment, any field repair or modifications voids any and all warranties expressed or implied and void F.M. approval.

Any loose hardware, screws, washers or non-ESD bags of hardware stored inside indicator will void warranty. This could cause harm to repair technician or damage CPU board.

If just the board is sent in for repair, the serial number of the product the board is from should accompany the board.

**These warranties exclude all other warranties, expressed or implied, including without limitation warranties of merchantability or fitness for a particular purpose. Neither Rice Lake nor the authorized reseller will, in any event, be liable for incidental or consequential damages at the point of use. Rice Lake and the Customer agree that Rice Lake's sole and exclusive liability here under is limited to repair or replacement of such goods. In accepting this warranty, the Customer waives any and all other claims to warranty.**

**Should the seller be other than Rice Lake, the Customer agrees to look only to the seller for warranty claims.** No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of Rice Lake and the Customer.

## Carrier Product Damage

As part of our commitment to customer satisfaction and in accordance with ISO 9001 standards, we make every attempt to pack our products so they will arrive in new condition. Occasionally due to rough handling or carelessness of carrier, product may arrive in a damaged condition. When this happens, don't assume that the shipment left Rice Lake in that condition or that the original packing was not sufficient.

The receiver, whether it is the authorized reseller or their Customer, is responsible for making a notation of damaged or missing items when signing the carrier's delivery receipt. If you or your Customer are not sure whether there is damage, we suggest adding a statement "CONDITION UNKNOWN" to the delivery receipt. In the event that damage or missing items are not properly documented at time of receipt, the carrier is relieved of responsibility and the receiver is then responsible for the cost to get the product back to new condition.

After the damage or shortage has been properly noted with the carrier, contact Rice Lake immediately and keep all the original packaging material for inspection by the carrier's representative. It is also helpful in the claim process to take pictures of the condition of the packaging and damage.

When drop-shipping items to your Customers, it is imperative that you advise them of their responsibility in accepting shipments from common carriers. Even if the equipment is not expected to be installed or used for a period of time, the shipment must be inspected at time of receipt in order to preserve their rights for making a claim.

## Custom Software Limited Warranty

Rice Lake Weighing Systems (Rice Lake) warrants that (a) the software will perform in accordance with the specification and accompanying written endorsement by the Customer for a period of 90 days from the date of receipt; (b) any hardware accompanying the software will be free from defects in materials and workmanship under normal use and service for a period of one (1) year from the date of shipment from Rice Lake; and (c) the Customer should perform inspection and testing of software products prior to installation.

This limited warranty is void if failure of the software or hardware has resulted from accident, abuse, misapplication, or incorrect Customer specification. Any replacement software will be warranted for the remainder of the original warranty period or 30 days, whichever is longer.

If the software fails to conform to these warranties, Rice Lake will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:

Upon discovery by the Customer of such nonconformity, Rice Lake will be given prompt written notice with a detailed explanation of the alleged deficiencies.

Examination of software by Rice Lake confirms that the nonconformity exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair, improper testing, or incorrect Customer specification. Rice Lake shall be the sole judge of all alleged non-conformities.

Rice Lake will have a reasonable time to repair or replace the software. The Customer is responsible for shipping charges both ways.

In no event will Rice Lake be responsible for travel time or on-location repairs, including assembly or disassembly of equipment. Nor will Rice Lake be liable for the cost of any repairs made by others.

**These warranties exclude all other warranties, expressed or implied, including without limitation warranties of merchantability or fitness for a particular purpose. Neither Rice Lake nor the authorized reseller will, in any event, be liable for incidental or consequential damages at the point of use.**

**Rice Lake and Customer agree that Rice Lake's sole and exclusive liability here under is limited to repair or replacement of such goods. In accepting this warranty, the Customer waives any and all other claims to warranty.**

# Warranty and Limitation of Liability

Should the seller be other than Rice Lake, the Customer agrees to look only to the seller for warranty claims.

No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of Rice Lake and the Customer.

## Return Policies

Our commitment to our Customers states that if any standard product purchased from Rice Lake does not work, or if the incorrect product is shipped, **return it in its original shipping carton with all accessories in "like new" condition** for full credit or replacement within 30 days of purchase. **Electronic components returned to Rice Lake must be properly packaged to prevent electrostatic discharge (ESD) damage in shipment.**

Packaging requirements are listed in the publication, "Protecting Your Components from Static Damage in Shipment," available online or from our Returns Department. This policy and the 30-day limit also apply to any products drop-shipped directly from the manufacturer.

Please note that if an incorrect quantity of product was shipped, Rice Lake must be contacted within 10 days of the purchase. Upon notification, we will immediately correct the situation.

**A restocking charge will apply if equipment is not in like-new condition.** The restocking charge is directly proportional to the amount of time and material required to return the item to resalable condition—we will make every effort to do this quickly and economically. Equipment that has been abused and/or shows signs of excessive wear and cannot be reconditioned and resold will not be accepted for return or credit after excessive wear or has been modified.

## As Applied to Drop Shipments

All Rice Lake return guidelines apply to products drop-shipped directly from the manufacturer. If a perceived error occurs, Rice Lake will investigate to the best of our ability to determine if the error occurred prior to shipping, during shipping, or at the end user site. If our records and subsequent investigation indicate that the shipment was correct when it left our factory, our responsibility extends only to the authorized reseller, not their end user. Our standard product warranty notes that our coverage extends only to equipment and systems **properly installed by an authorized reseller.**

## Obtaining an RMA

A return authorization number (RMA) is required for all materials being returned to Rice Lake for credit. Flat rate repairs require purchase orders at time of RMA issuance. When returning equipment for repair or warranty reimbursement consideration, these simple steps will help to expedite your request:

1. Contact our Returns Department.
2. Please have your customer number and both the item description and detailed findings of product problem for repair.
3. Please have the original sales order or invoice number for items to be returned for credit or warranty.  
NOTE: See return policy
4. An RMA number will be given for eligible returns. This RMA number may also be faxed or emailed per your request.

## Return Shipments Outside the United States for Repair, Warranty, Calibration or Other Services and Re-export.

### For shipment to the USA:

1. The commercial invoice must include the following statement:
  - i. "These goods are being returned for maintenance under"
  - ii. Goods Made in the USA -- "HTS 9801.00.1012"
  - iii. Goods NOT made in the USA -- "HTS 9801.00.2500"
2. The commercial invoice must list items individually and include the fair market value of the item based on its present condition for customs purposes only.
3. Please reference original Rice Lake commercial invoice number and date item was purchased if applicable.
4. Please note that failure to follow these procedures may cause delay and will certainly incur extra charges that will NOT be absorbed by Rice Lake.

## Return Shipments Outside the United States Other Than for Repair, or Service Work Not Being Returned.

### For shipment to the USA:

1. The commercial invoice must include the following statement:
  - i. Goods Made in the USA -- "HTS 9801.00.1045"
  - ii. Goods NOT made in the USA -- "HTS 9801.00.2500"
2. The commercial invoice must list items individually and include the fair market value of the item based on its present condition for customs purposes only.
3. Please reference original Rice Lake commercial invoice number and date item was purchased if applicable.
4. Please note that failure to follow these procedures may cause delay and possible reduction in your refund.
5. Please be advised that you may qualify for a refund of your duties and should contact your local customs authority for instructions and forms.

## Special Order, Modified, Non-Catalog, or Non-Stock Items

Due to the added resources and difficulty in reselling special or non-standard products, returns or credit are not allowed for special order equipment, special software programs, equipment physically modified or altered in the field, discrete electronic components, relays, manuals, or opened software packages.

## Calibration Test Weights

All weights returned for credit will be assessed a restocking charge because of the required inspection and verification. Credit is not allowed for serialized weights, calibration or traceable services performed on weights.

### Calibration Test Weights

No returns will be accepted for items that are specifically modified for the Customer's requirements. Examples of such modifications may include, but not necessarily limited to:

1. Weights that have been specifically built to the customer's specifications.
2. Standard product specifically modified to the customer's specifications.

# Warranty and Limitation of Liability

3. Standard product engraved with serial numbers at the customer's request.
4. Laboratory procedure charges.
5. Laboratory documentation fees.

## Balances

Balances returned for credit within 30 days of purchase may be subject to a restocking fee if assessed by balance manufacturer.

### Balance Repair Policy and Rates

We offer repair support on the following balance models:

- All Rice Lake brand models: Once we receive the equipment and the RMA form, an estimate will be prepared.

A minimum charge of one hour will apply. All balance repairs are covered by a 90-day limited warranty on parts and workmanship performed and noted under the scope of the specific repair. Balances must be packaged to adequately protect them from damage in transit. Please refer to "How to Prepare a Balance for Shipment" available on our website and from our Returns Department.

### How to Prepare a Balance for Shipment

The best and most effective method for shipping a balance at any time and for any reason is to use the original manufacturer's packaging materials and subsequently double box it as described below. Teach your Customers to retain the packing set. Please remember that due to the nature of the equipment, new packaging materials can be very expensive.

In the event that the original manufacturer's packaging materials are not available, follow these instructions for top loading balances.

1. Remove the weighing platform cover, support buttons, weighing platform, floor plate and other devices installed in the weighing chamber. Pack these pieces individually in bubble wrap and tape the wrapping closed. Follow this same procedure for AC adapters and power cords. Please note that AC adapters and power cords are necessary to adequately evaluate the problem.
2. Examine the device (refer to the operating instructions) and if necessary, re-install or tighten any shipping screws/retaining devices to prevent damage to the weighing mechanism during shipment.
3. If the floor plate is not removable, ensure it is securely in place and cannot come loose during shipment, even if the balance is inverted. Do NOT invert the balance to test the security of the floor plate.
4. Clean the device of any loose debris or potential contaminants to our testing facility.
5. Prepare and sign a Statement of Decontamination (form #0679). This form MUST be included in a separate packing list envelope on the outside of the box with the "Statement of Decontamination Form" statement clearly visible.

6. Using Scotch tape or "speed" tape, tape all the glass doors on the device CLOSED. Be sure the tape is securely affixed and will not come off during shipment. Please note that on some devices, the glass breeze-break around the weighing chamber can actually be disassembled and packed separate prior to shipment. Refer to the manufacturer's operating instructions. If this is a feature of the device being return, disassemble the breeze break and pack it in its own packing material and box.
7. Use a large box that will provide a minimum of 3 inches of space around the device for loose-fill packing material.
8. Place a padding of foam or Styrofoam (at least 1 inch thick) at the bottom of the box.
9. Place the balance in a large plastic bag and seal the bag closed.
10. Please put the device on top of the foam padding or Styrofoam from step 8 above.
11. Ensure that there is at least three inches of clearance between the top of the balance and the top of the box.
12. Using generous amounts of anti-static loose-fill packing material, fill all the spaces around the balance. Shake the box to cause the material to settle and add additional loose fill as necessary.
13. Place the small box containing all the items from step 1 above on top of the loose fill covering the balance. Add additional loose fill to completely cover all items within the box.
14. Double pack this box in another box that will again provide an additional two inches of space around the inner box. Fill all existing space between the inner and outer box with copious amounts of anti-static loose fill packing material.
15. Seal the box and include all the necessary documentation on the outside of the box. Don't forget the Decontamination Form (form #0679) from step 5 above.

## Repair Service Policies

Our Service Department is staffed Monday through Friday from 6:30 A.M. to 6:30 P.M., and Saturday from 8:00 A.M. to noon, Central time. For those utilizing the conveniences of the internet, we have an e-mail address dedicated to technical support. Please contact Rice Lake at [service@ricelake.com](mailto:service@ricelake.com) for answers to your technical questions and the status of repair products during normal business hours.

We provide quality and timely repairs for the products we sell. Flat rate repair is offered for selected models of indicators, printers and remote displays. Prior to returning a product for repair, our returns department will work with you to determine some key factors that will help Rice Lake better serve you. Please provide the following via phone to extensions 5348 or an RMA form.

# Warranty and Limitation of Liability

- Customer Number: Without a customer number we cannot issue an RMA number.
- Ship-to Address: Your customer number will bring up the bill-to address. You must inform Rice Lake of the ship-to address if it's different than the bill-to address.
- **Original sales and invoice orders: Required on warranty claims.**
- Freight Type: Unless stated otherwise, we ship the device back to you utilizing the same freight type in which we received it. If Rice Lake is responsible for freight charges, the carrier will be selected at the sole discretion of Rice Lake.
- **Definition of Product and Problem: Please provide as much detail as possible regarding the type of product, application and problem.**
- Purchase Order Number for Flat Rate Repair: Once we receive the equipment and the RMA, equipment for flat rate repair will be processed immediately. Other equipment will be evaluated and a minimum evaluation charge will apply (contact the factory for exact pricing).

You may be asked about the possibility of a new replacement product. It may be in your customer's best interest to explore the option of purchasing a new product if the repair will exceed 50 percent of authorized reseller net price, since new products carry full-warranty benefits.

Please note our hourly service rate on all current Rice Lake products. Contact the factory for exact pricing. There is a 120-day limited warranty on parts and workmanship performed and noted under the scope of the specific repair.

## California Proposition 65

### Rice Lake Weighing Systems Statement

Proposition 65 requires businesses to inform Californians about exposures to chemicals that are known to cause cancer, birth defects or other reproductive harm. These chemicals may be in the products you purchase, or they may be exposed to you at home, at the workplace or within the environment. Proposition 65 enables Californians to make informed decisions about their exposures to these chemicals.

Rice Lake Weighing Systems wants to be proactive in regards to Proposition 65 and provide information about the products we produce, distribute and use to manufacture equipment we sell.

We are providing this warning based on the knowledge that one or more chemicals included in the California Proposition 65 list known to cause cancer, birth defects or other reproductive harm may be present in Rice Lake Weighing Systems products and workplaces.



**WARNING:** Chemicals listed in California Proposition 65 known to cause cancer, birth defects or other reproductive harm may be present only in trace amounts or contained within Rice Lake Weighing Systems products and proper encapsulation equipment. This warning is provided out of an abundance of caution to enable you to be an informed consumer.

More information about California Proposition 65 can be found at [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



# Using Ingress Protection (IP) Ratings

For load cell sealing techniques, Rice Lake Weighing Systems uses the Ingress Protection (IP) rating system. We find the IP numbers and their definitions are suitable for the classification of load cells and only apply IP numbers to such cells. The IP numbers on a load cell further specify the treatment a specific cell can endure in environments more severe than simple washdown.

All load cell cables should be run through conduit to increase protection against moisture ingress

Example: Protection level offered by an IP67 rated product

IP 67

## Protection against solid objects

### First number (in this case 6)

- 0 No protection
- 1 Protected from solid objects up to 50 mm (e.g., accidental touch by hands)
- 2 Protected from solid objects up to 12 mm (e.g., fingers)
- 3 Protected from solid objects more than 2.5 mm (e.g., tools and small wires)
- 4 Protected from solid objects more than 1 mm (e.g., small wires)
- 5 Protected from dust; limited entrance (no harmful deposit)
- 6 Totally protected from dust

## Protection against liquids

### Second number (in this case 7)

- 0 No protection
- 1 Protected from vertically-falling drops of water (e.g., condensation)
- 2 Protected from direct sprays of water up to 15° from vertical
- 3 Protected from direct sprays of water up to 60° from vertical
- 4 Protected from water sprayed from all directions; limited entrance allowed
- 5 Protected from low pressure jets of water from all directions; limited entrance allowed
- 6 Protected from strong jets of water (e.g., for use on ship decks); limited entrance allowed
- 7 Protected from the effects of immersion between 15 cm and 1 m for 30 minutes
- 8 Protected from extended periods of immersion under pressure

## IP Numbers with Hermetically Sealed (HS) or Environmentally Protected (EP) Ratings

| Rating  | Protection  |
|---------|---|
| EP      | Dust proof, not protected from moisture or water  |
| IP65    | Dust proof, protected from splashes and low-pressure jets                                       |
| IP66    | Dust proof, protected from strong water jets  |
| IP67    | Dust proof, protected from temporary immersion in water 1 meter deep for 30 minutes             |
| IP68    | Dust proof, protected from continuous immersion in water under more severe conditions than IP67 |
| IP66/68 | Dust proof, protected from strong water jets and/or constant immersion                          |
| IP69K   | Dust proof, protected from high pressure washing and steam cleaning                             |

CUSTOMER  
ASSISTANCE

# Weigh Module Application



This Weigh Module Application form will help you and your customer choose the best weigh module kit for their application. It has the most commonly asked questions and the back can be used to sketch the application, make notes or draw the bolt pattern needed to mate the legs and mount plates. A copy should be made for your files for future reference.

## CONTACT INFORMATION

Sales Organization \_\_\_\_\_ Sales Person \_\_\_\_\_

Dealer/Customer Number \_\_\_\_\_ Email \_\_\_\_\_

Phone \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

## APPLICATION NOTES

Is the application washdown? ☐ Yes ☐ No ☐ High Pressure ☐ Steam

Ambient temperature that load cells will be exposed to \_\_\_\_\_

List of chemicals that load cells will be exposed to \_\_\_\_\_

Is weighing environment considered explosive, if so please provide class, group and division area is classified as \_\_\_\_\_

Is FM approval required for the load cells? ☐ Yes ☐ No

Is ATEX approval required for the load cells? ☐ Yes ☐ No

Are NTEP Certified load cells required? (Legal for Trade) ☐ Yes ☐ No

Type of vessel being weighed \_\_\_\_\_

☐ Tension ☐ Compression ☐ Vertical ☐ Horizontal

Configuration of vessel? ☐ Round ☐ Square ☐ Rectangle

Number of supports or weigh points? \_\_\_\_\_

Product being weighed \_\_\_\_\_

Desired material of load cell? ☐ Stainless ☐ Alloy steel ☐ Aluminum

Desired material of mount assembly? ☐ Stainless ☐ Alloy steel

Live load of material? \_\_\_\_\_ lbs \_\_\_\_\_ kgs

Dead load of vessel? \_\_\_\_\_ lbs \_\_\_\_\_ kgs

Any mixers or motors that are part of the vessel. If yes, location and size (horsepower) \_\_\_\_\_

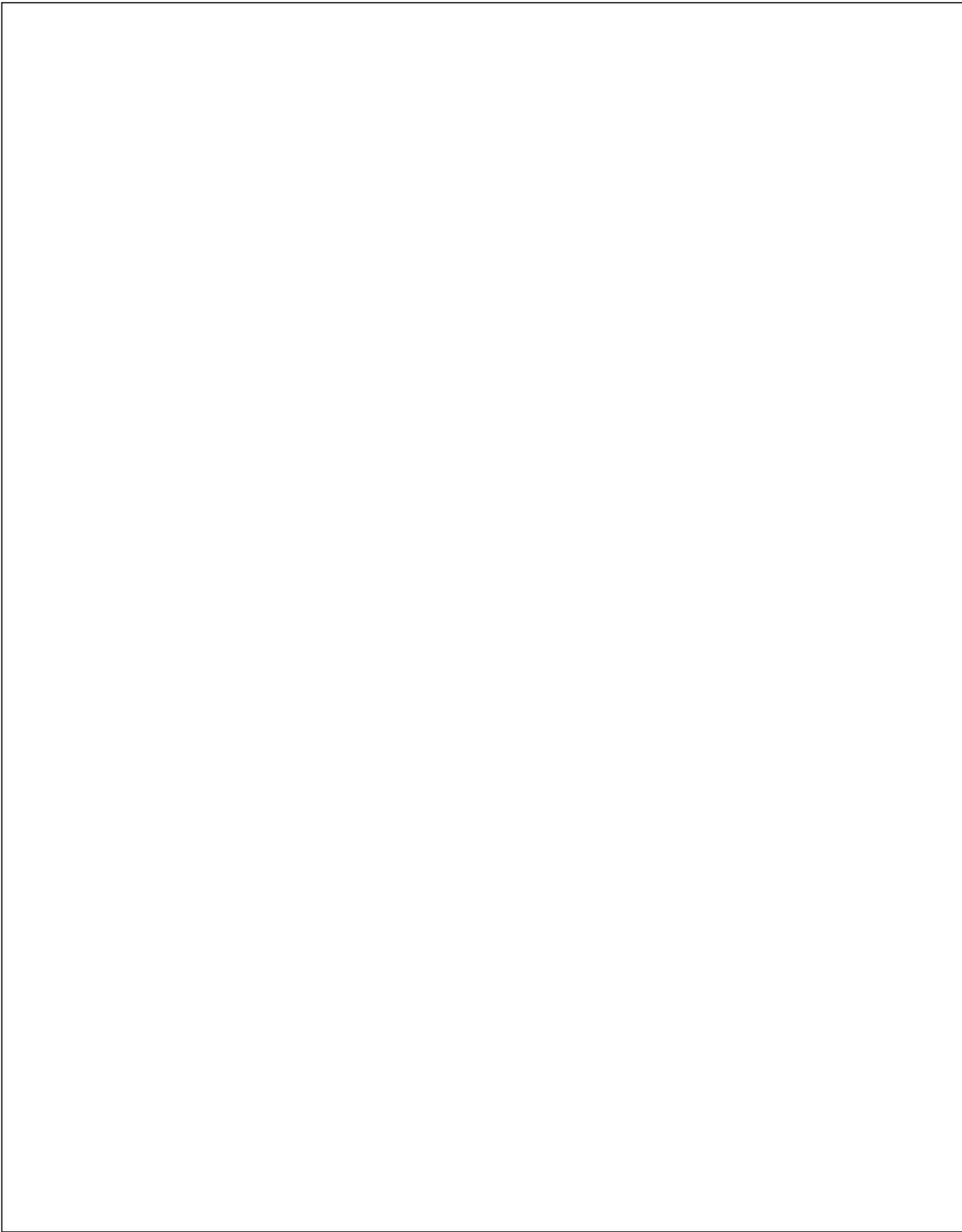
Will there be shock loading? ☐ Yes ☐ No If yes, provide calculation or description \_\_\_\_\_

Notes: \_\_\_\_\_



Any modifications desired for the weigh module, i.e. top or bottom plate size, bolt hole pattern?  
If so, please provide sketch below:

---



This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

**CUSTOMER ASSISTANCE**

↑

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| Fairbanks      | 3-38054-X                 | VPG BLH             | C3P1 Compression Canister    | page 193 |
| Fairbanks      | 657090, 657091            | VPG BLH             | T2P1 Tension Canister        | page 194 |
| Fairbanks      | 3-39897-X, 3-40766-X      | VPG BLH             | T3P1 Tension Canister        | page 195 |
| Flintec        | PC6                       | Rice Lake           | RLPC6 Single Point           | page 164 |
| Flintec        | PC 42                     | Rice Lake           | RL1042 Single Point          | page 173 |
| Flintec        | PCB                       | VPG Tedea-Huntleigh | 1250 Potted Single Point     | page 334 |
| HBM            | B35                       | Rice Lake           | RL39123 Single-ended Beam    | page 123 |
| HBM            | SB3                       | Rice Lake           | RLSSB Single-ended Beam      | page 128 |
| HBM            | BBS                       | Rice Lake           | RL40BBS Single-ended Beam    | page 133 |
| HBM            | PW15AH                    | Rice Lake           | RLPWM15HE Single Point       | page 165 |
| HBM            | SP4                       | Rice Lake           | RLSP4 Single Point           | page 170 |
| HBM            | PW16                      | Rice Lake           | RLPWM16 Single Point         | page 172 |
| HBM            | SP4                       | Rice Lake           | RL1042 Single Point          | page 173 |
| HBM            | PWS                       | Rice Lake           | RL1380 Single Point          | page 176 |
| HBM            | PW16                      | Rice Lake           | RL1260 Single Point          | page 178 |
| HBM            | PW12                      | VPG Tedea-Huntleigh | 1250 Potted Single Point     | page 334 |
| HBM            | C10                       | VPG BLH             | C2P1 Compression Canister    | page 192 |
| HBM            | PW12                      | Rice Lake           | RLPWM12 Single Point         | page 171 |
| How Richardson | 244699-000X               | Rice Lake           | RLCSP1 Compression Canister  | page 156 |
| Interface      | MB                        | VPG Celtron         | MBB Single-ended Beam        | page 205 |

| Manufacturer   | Model                                     | Manufacturer        | Model                        | Page #   |
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| Mettler Toledo | TB601019-008 (500 lb, 2,500 lb, 5,000 lb) | Rice Lake           | RLH35 Single-ended Beam      | page 122 |
| Mettler Toledo | TB601016-020 (1,000 lb, 4,000 lb)         | Rice Lake           | RLH35 Single-ended Beam      | page 122 |
| Mettler Toledo | TB600529 (500 lb)                         | Rice Lake           | RL30745 Single-ended Beam    | page 125 |
| Mettler Toledo | TB600363 (1,250 lb)                       | Rice Lake           | RL30745 Single-ended Beam    | page 125 |
| Mettler Toledo | TB600342 (2,500 lb)                       | Rice Lake           | RL30745 Single-ended Beam    | page 125 |
| Mettler Toledo | TB600343 (5,000 lb)                       | Rice Lake           | RL30745 Single-ended Beam    | page 125 |
| Mettler Toledo | TB600364 (10,000 lb)                      | Rice Lake           | RL30745 Single-ended Beam    | page 125 |
| Mettler Toledo | THC                                       | Rice Lake           | RL30745 Single-ended Beam    | page 125 |
| Mettler Toledo | 10049200A, 10014900A                      | VPG BLH             | C2P1 Compression Canister    | page 192 |
| Mettler Toledo | 10011900A, 10049300A                      | VPG BLH             | C2P1 Compression Canister    | page 192 |
| Mettler Toledo | 1004400A, KN713700                        | VPG BLH             | C3P1 Compression Canister    | page 193 |
| Mettler Toledo | KB200570, 10049100A                       | VPG BLH             | C3P1 Compression Canister    | page 193 |
| Mettler Toledo | 10048X00A, KN75066                        | VPG BLH             | T3P1 Tension Canister        | page 195 |
| NMB            | C2G1                                      | VPG Celtron         | LPS Single Point             | page 209 |
| Rice Lake      | RL71000HE                                 | Rice Lake           | RL70000SS Double-ended Beam  | page 142 |
| Rice Lake      | RL75016WHE                                | Rice Lake           | RL75016SS Double-ended Beam  | page 145 |
| Rice Lake      | RL75016SS                                 | Rice Lake           | RL75016WHE Double-ended Beam | page 147 |
| Rice Lake      | RL1042                                    | Rice Lake           | RLSP4 Single Point           | page 170 |
| Rice Lake      | RL1250                                    | Rice Lake           | RLPWM12 Single Point         | page 171 |
| Rice Lake      | RL1260                                    | Rice Lake           | RLPWM16 Single Point         | page 172 |
| Rice Lake      | RLPWM16                                   | Rice Lake           | RL1260 Single Point          | page 178 |
| Rice Lake      | RLPWM12                                   | VPG Tedea-Huntleigh | 1250 Potted Single Point     | page 334 |
| Rice Lake      | RL20000                                   | VPG Celtron         | STC Low Capacity S-beam      | page 199 |
| Rice Lake      | RL20001                                   | VPG Celtron         | STC S-beam                   | page 200 |
| Rice Lake      | RL35023                                   | VPG Celtron         | SQB Single-ended Shear Beam  | page 203 |
| Rice Lake      | RL75016                                   | VPG Celtron         | DSR Double-ended Shear Beam  | page 207 |



# Rice Lake

| Manufacturer        | Model                    | Manufacturer        | Model                                   | Page #   |
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| Rice Lake           | RL75058                  | VPG Celtron         | CLB Double-ended Beam                   | page 208 |
| Rice Lake           | RL1521A                  | VPG Celtron         | LPS Single Point                        | page 209 |
| Rice Lake           | RLPWM12                  | VPG Celtron         | LOC Single Point Heavy Capacity         | page 210 |
| Rice Lake           | RL90000                  | VPG Celtron         | LCD Compression Disk                    | page 211 |
| Sensortronics       | 65040A-XX-1127W          | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| Streeter Amet       | 3760SSS                  | Rice Lake           | RLCSP1 Compression Canister             | page 156 |
| Streeter Richardson | 2011611, 2011612         | VPG BLH             | C2P1 Compression Canister               | page 192 |
| Streeter Richardson | 2011613, 2011614, 201617 | VPG BLH             | C2P1 Compression Canister               | page 192 |
| Streeter Richardson | 2011711, 2011712         | VPG BLH             | T2P1 Tension Canister                   | page 194 |
| Streeter Richardson | 20117XX                  | VPG BLH             | T3P1 Tension Canister                   | page 195 |
| Thurman             | TSC 800                  | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| Thurman             | TSC 840 DL90000          | Rice Lake           | RL75040 Double-ended Beam               | page 155 |
| Unibridge           | C2G1                     | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| VPG BLH             | C2G1                     | Rice Lake           | RL1521A Single Point                    | page 168 |
| VPG BLH             | STC                      | VPG Celtron         | LPS Single Point                        | page 209 |
| VPG Celtron         | DSR                      | Rice Lake           | RL200001I S-beam                        | page 107 |
| VPG Celtron         | DSR-HSS                  | Rice Lake           | RL75016 Double-ended Beam               | page 143 |
| VPG Celtron         | CLB                      | Rice Lake           | RL75016SS Double-ended Beam             | page 145 |
| VPG Celtron         | DLB                      | Rice Lake           | RL75058I Double-ended Beam              | page 148 |
| VPG Celtron         | LCD                      | Rice Lake           | RL75040 Double-ended Beam               | page 155 |
| VPG Celtron         | LPS                      | Rice Lake           | RL90000 Compression Disk                | page 161 |
| VPG Celtron         | LOC                      | Rice Lake           | RL1521A Single Point                    | page 168 |
| VPG Celtron         | LOC                      | Rice Lake           | RL1040 Potted and Unpotted Single Point | page 174 |
| VPG Celtron         | 9363                     | VPG Tedea-Huntleigh | 1250 Potted Single Point                | page 334 |
| VPG Revere          | 5123                     | Rice Lake           | RL20000SS S-beam                        | page 105 |
| VPG Revere          | 9123                     | Rice Lake           | RL30000I Single-ended Beam              | page 120 |
| VPG Revere          | SSB                      | Rice Lake           | RL39123 Single-ended Beam               | page 123 |
| VPG Revere          | 5503                     | Rice Lake           | RLSSB Single-ended Beam                 | page 128 |
| VPG Revere          | 5503                     | Rice Lake           | RL50210 Single-ended Beam               | page 131 |
| VPG Revere          | 5103                     | Rice Lake           | RL60040SST Single-ended Beam            | page 132 |
| VPG Revere          | 9103                     | Rice Lake           | RL70000 Double-ended Beam               | page 140 |
| VPG Revere          | 5203                     | Rice Lake           | RL70000SS Double-ended Beam             | page 142 |
| VPG Revere          | 9203                     | Rice Lake           | RL75016 Double-ended Beam               | page 143 |
| VPG Revere          | 5223                     | Rice Lake           | RL75016SS Double-ended Beam             | page 145 |
| VPG Revere          | CSP                      | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| VPG Revere          | 692B                     | Rice Lake           | RLCSP1 Compression Canister             | page 156 |
| VPG Revere          | 792                      | Rice Lake           | RLCSP1 Compression Canister             | page 156 |
| VPG Revere          | CBU                      | VPG Celtron         | MBB Single-ended Beam                   | page 205 |
| VPG Revere          | 5203                     | VPG Celtron         | DSR Double-ended Shear Beam             | page 207 |

| Manufacturer        | Model      | Manufacturer        | Model                                   | Page #   |
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| VPG Sensortronics   | 5203       | VPG Celtron         | DSR Double-ended Shear Beam             | page 207 |
| VPG Sensortronics   | 60001      | Rice Lake           | RL200001I S-beam                        | page 107 |
| VPG Sensortronics   | 60063      | Rice Lake           | RL20001HE S-beam                        | page 108 |
| VPG Sensortronics   | 60040      | Rice Lake           | RL50210 Single-ended Beam               | page 131 |
| VPG Sensortronics   | 60040      | Rice Lake           | RL60040SST Single-ended Beam            | page 132 |
| VPG Sensortronics   | 60007      | Rice Lake           | RL40BBS Single-ended Beam               | page 133 |
| VPG Sensortronics   | 65016      | Rice Lake           | RL75016 Double-ended Beam               | page 143 |
| VPG Sensortronics   | 65016W     | Rice Lake           | RL75016SS Double-ended Beam             | page 145 |
| VPG Sensortronics   | 65016WH    | Rice Lake           | RL75016SS Double-ended Beam             | page 145 |
| VPG Sensortronics   | 65016W     | Rice Lake           | RL75016WHE Double-ended Beam            | page 147 |
| VPG Sensortronics   | 65016WH    | Rice Lake           | RL75016WHE Double-ended Beam            | page 147 |
| VPG Sensortronics   | 65058      | Rice Lake           | RL75058I Double-ended Beam              | page 148 |
| VPG Sensortronics   | 65058S     | Rice Lake           | RL75060S Double-ended Beam              | page 152 |
| VPG Sensortronics   | 65040A     | Rice Lake           | RL75040 Double-ended Beam               | page 155 |
| VPG Sensortronics   | 65088-1000 | Rice Lake           | RLCSP1 Compression Canister             | page 156 |
| VPG Sensortronics   | 60063      | VPG Celtron         | STC Low Capacity S-beam                 | page 199 |
| VPG Sensortronics   | 60001      | VPG Celtron         | STC S-beam                              | page 200 |
| VPG Sensortronics   | 60050      | VPG Celtron         | STC SS S-beam                           | page 201 |
| VPG Sensortronics   | 65023      | VPG Celtron         | SCB Single-ended Shear Beam             | page 203 |
| VPG Sensortronics   | 65007      | VPG Celtron         | MBB Single-ended Beam                   | page 205 |
| VPG Sensortronics   | 65016      | VPG Celtron         | DSR Double-ended Beam                   | page 207 |
| VPG Sensortronics   | 65058      | VPG Celtron         | CLB Double-ended Beam                   | page 208 |
| VPG Tedea-Huntleigh | 3411       | Rice Lake           | RL30000IS Single-ended Beam             | page 120 |
| VPG Tedea-Huntleigh | 3510 kg    | Rice Lake           | RLHTO Single-ended Beam                 | page 127 |
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| VPG Tedea-Huntleigh | 1042       | Rice Lake           | RLSP4 Single Point                      | page 170 |
| VPG Tedea-Huntleigh | 1250       | Rice Lake           | RLPWM12 Single Point                    | page 171 |
| VPG Tedea-Huntleigh | 1260       | Rice Lake           | RLPWM16 Single Point                    | page 172 |
| VPG Tedea-Huntleigh | 1042       | Rice Lake           | RL1042 Single Point                     | page 173 |
| VPG Tedea-Huntleigh | 1040       | Rice Lake           | RL1040 Potted and Unpotted Single Point | page 174 |
| VPG Tedea-Huntleigh | 1260       | Rice Lake           | RL1260 Single Point                     | page 178 |
| VPG Tedea-Huntleigh | 1250       | VPG Tedea-Huntleigh | 1250 Potted Single Point                | page 334 |
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| VPG Tedea-Huntleigh | 1250       | VPG Celtron         | LOC Single Point Heavy Capacity         | page 210 |
| VPG/HBM             | PW12       | VPG Celtron         | LOC Single Point Heavy Capacity         | page 210 |

## VPG BLH

| Manufacturer        | Model                    | Manufacturer | Model                           | Page #   |
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| Fairbanks           | 3-38065-X, 3-38066-X     | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Fairbanks           | 3-38054-X                | VPG BLH      | C3P1 Compression Canister       | page 193 |
| Fairbanks           | 657090, 657091           | VPG BLH      | T2P1 Tension Canister           | page 194 |
| Fairbanks           | 3-39897-X, 3-40766-X     | VPG BLH      | T3P1 Tension Canister           | page 195 |
| HBM                 | C10                      | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Interface           | MB                       | VPG Celtron  | MBB Single-ended Beam           | page 205 |
| Mettler Toledo      | 10049200A, 10014900A     | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Mettler Toledo      | 10011900A, 10049300AA    | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Mettler Toledo      | 1004400A, KN713700       | VPG BLH      | C3P1 Compression Canister       | page 193 |
| Mettler Toledo      | KB200570, 10049100A      | VPG BLH      | C3P1 Compression Canister       | page 193 |
| Mettler Toledo      | 10048X00A, KN75066       | VPG BLH      | T3P1 Tension Canister           | page 195 |
| NMB                 | C2G1                     | VPG Celtron  | LPS Single Point                | page 209 |
| Rice Lake           | RL20000                  | VPG Celtron  | STC Low-capacity S-beam         | page 199 |
| Rice Lake           | RL20001                  | VPG Celtron  | STC S-beam                      | page 200 |
| Rice Lake           | RL35023                  | VPG Celtron  | SQB Single-ended Shear Beam     | page 203 |
| Rice Lake           | RL75016                  | VPG Celtron  | DSR Double-ended Shear Beam     | page 207 |
| Rice Lake           | RL75058                  | VPG Celtron  | CLB Double-ended Beam           | page 208 |
| Rice Lake           | RL1521A                  | VPG Celtron  | LPS Single Point                | page 209 |
| Rice Lake           | RL1250                   | VPG Celtron  | LOC Single Point Heavy Capacity | page 210 |
| Rice Lake           | RLPWM12                  | VPG Celtron  | LOC Single Point Heavy Capacity | page 210 |
| Rice Lake           | RL90000                  | VPG Celtron  | LCD Compression Disk            | page 211 |
| Streeter Richardson | 2011611, 2011612         | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Streeter Richardson | 2011613, 2011614, 201617 | VPG BLH      | C2P1 Compression Canister       | page 192 |
| Streeter Richardson | 2011711, 2011712         | VPG BLH      | T2P1 Tension Canister           | page 194 |
| Streeter Richardson | 20117XX                  | VPG BLH      | T3P1 Tension Canister           | page 195 |
| VPG BLH             | C2G1                     | VPG Celtron  | LPS Single Point                | page 209 |
| VPG Revere          | CBU                      | VPG Celtron  | MBB Single-ended Beam           | page 205 |
| VPG Revere          | 5203                     | VPG Celtron  | DSR Double-ended Shear Beam     | page 207 |
| VPG Sensortronics   | 60063                    | VPG Celtron  | STC Low-capacity S-beam         | page 199 |
| VPG Sensortronics   | 60001                    | VPG Celtron  | STC S-beam                      | page 200 |
| VPG Sensortronics   | 60050                    | VPG Celtron  | STC SS S-beam                   | page 201 |
| VPG Sensortronics   | 65023                    | VPG Celtron  | SQB Single-ended Shear Beam     | page 203 |
| VPG Sensortronics   | 65007                    | VPG Celtron  | MBB Single-ended Beam           | page 205 |
| VPG Sensortronics   | 65016                    | VPG Celtron  | DSR Double-ended Shear Beam     | page 207 |
| VPG Sensortronics   | 65058                    | VPG Celtron  | CLB Double-ended Beam           | page 208 |
| VPG Tedea-Huntleigh | 1022                     | VPG Celtron  | LPS Single Point                | page 209 |
| VPG Tedea-Huntleigh | 1250                     | VPG Celtron  | LOC Single Point Heavy Capacity | page 210 |
| VPG/HBM             | PW12                     | VPG Celtron  | LOC Single Point Heavy Capacity | page 210 |

## VPG Celtron

| Manufacturer        | Model   | Manufacturer        | Model                                   | Page #   |
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| Interface           | MB      | VPG Celtron         | CLB Double-ended Beam                   | page 208 |
| NMB                 | C2G1    | VPG Celtron         | LPS Single Point                        | page 209 |
| Rice Lake           | RL20000 | VPG Celtron         | LOC Single Point Heavy Capacity         | page 210 |
| Rice Lake           | RL20001 | VPG Celtron         | LCD Compression Disk                    | page 211 |
| Sensortronics       | RL35023 | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| Streeter Amet       | RL75016 | Rice Lake           | RLCSP1 Compression Canister             | page 156 |
| Streeter Richardson | RL75058 | VPG BLH             | C2P1 Compression Canister               | page 192 |
| Streeter Richardson | RL1521A | VPG BLH             | C2P1 Compression Canister               | page 192 |
| Streeter Richardson | RL1250  | VPG BLH             | T2P1 Tension Canister                   | page 194 |
| Streeter Richardson | RLPWM12 | VPG BLH             | T3P1 Tension Canister                   | page 195 |
| Thurman             | RL90000 | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| Thurman             | C2G1    | Rice Lake           | RL75040 Double-ended Beam               | page 155 |
| Unibridge           | CBU     | Rice Lake           | RL75223 Double-ended Beam               | page 153 |
| VPG BLH             | 5203    | Rice Lake           | RL1521A Single Point                    | page 168 |
| VPG BLH             | 60063   | VPG Celtron         | LPS Single Point                        | page 209 |
| VPG Celtron         | 60001   | Rice Lake           | RL200001I S-beam                        | page 107 |
| VPG Celtron         | 60050   | Rice Lake           | RL75016 Double-ended Beam               | page 143 |
| VPG Celtron         | 65023   | Rice Lake           | RL75016SS Double-ended Beam             | page 145 |
| VPG Celtron         | 65007   | Rice Lake           | RL75058I Double-ended Beam              | page 148 |
| VPG Celtron         | 65016   | Rice Lake           | RL75040 Double-ended Beam               | page 155 |
| VPG Celtron         | 65058   | Rice Lake           | RL90000 Compression Disk                | page 161 |
| VPG Celtron         | 1022    | Rice Lake           | RL1521A Single Point                    | page 168 |
| VPG Celtron         | 1250    | Rice Lake           | RL1040 Potted and Unpotted Single Point | page 174 |
| VPG Celtron         | PW12    | VPG Tedea-Huntleigh | 1250 Potted Single Point                | page 334 |

## Flintec

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| Fairbanks           | LCF-HR4020-1  | Flintec      | RC1 Rocker Column     | page 225 |
| Fairbanks           | LCF-HR4020-2A | Flintec      | RC3 Rocker Cell       | page 226 |
| Rice Lake           | RL1250        | Flintec      | PCB Single Point      | page 227 |
| Rice Lake           | RLPC6         | Flintec      | PC6 Single Point      | page 231 |
| VPG Celtron         | LOC           | Flintec      | PCB Single Point      | page 227 |
| VPG Tedea-Huntleigh | 1250          | Flintec      | PCB Single Point      | page 227 |

HBM

CUSTOMER  
ASSISTANCE

| Manufacturer        | Model                                     | Manufacturer | Model                 | Page #   |
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| Fairbanks           | 3-53581-X, 3-52921-1                      | HBM          | PW15 Single Point     | page 241 |
| HBM                 | SS4                                       | HBM          | H35 Single-ended Beam | page 236 |
| Mettler Toledo      | TB601019-008 (500 lb, 2,500 lb, 5,000 lb) | HBM          | H35 Single-ended Beam | page 236 |
| Rice Lake           | RL39123                                   | HBM          | BBS Single-ended Beam | page 237 |
| Rice Lake           | RL30745                                   | HBM          | Z6 Single-ended Beam  | page 238 |
| Rice Lake           | RLBLC                                     | HBM          | SP4M Single Point     | page 240 |
| Rice Lake           | RL1250                                    | HBM          | PW15AH Single Point   | page 242 |
| Rice Lake           | RLPWM16                                   | HBM          | PWS Single Point      | page 243 |
| Rice Lake           | RL1260                                    | HBM          | BBS Single-ended Beam | page 237 |
| Rice Lake           | RLPWM15                                   | HBM          | Z6 Single-ended Beam  | page 238 |
| Rice Lake           | RL1380                                    | HBM          | Z6 Single-ended Beam  | page 238 |
| VPG BLH             | LBG1                                      | HBM          | BBS Single-ended Beam | page 237 |
| VPG Celtron         | HBB                                       | HBM          | Z6 Single-ended Beam  | page 238 |
| VPG Sensortronics   | 60007                                     | HBM          |                       |          |
| VPG Tedea-Huntleigh | 355                                       | HBM          |                       |          |
| VPG Tedea-Huntleigh | 1250                                      | HBM          |                       |          |
| VPG Tedea-Huntleigh | 1260                                      | HBM          |                       |          |



## VPG Revere

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| Artech              | 30410                                 | VPG Revere   | 5723 Link Beam           | page 264 |
| Artech              | 90210                                 | VPG Revere   | CP Compression Canister  | page 276 |
| Artech              | 90310                                 | VPG Revere   | CSP Compression Canister | page 277 |
| Artech              | 90405                                 | VPG Revere   | 792 Compression Canister | page 278 |
| Cardinal            | CP1                                   | VPG Revere   | CP Compression Canister  | page 276 |
| HBM                 | B35                                   | VPG Revere   | 9123 Single-ended Beam   | page 259 |
| HBM                 | Z6                                    | VPG Revere   | SHB Single-ended Beam    | page 265 |
| HBM                 | SB3                                   | VPG Revere   | SSB Single-ended Beam    | page 266 |
| Howe Richardson     | 20908XXX                              | VPG Revere   | CP Compression Canister  | page 276 |
| Howe Richardson     | 244699-000X                           | VPG Revere   | CSP Compression Canister | page 277 |
| NV Technology       | BLC-2-XX-N                            | VPG Revere   | 9803 Double-ended Beam   | page 271 |
| NV Technology       | BLC-1-N-WP                            | VPG Revere   | 9323 Double-ended Beam   | page 272 |
| NV Technology       | BLC-1-N                               | VPG Revere   | 9423 Double-ended Beam   | page 273 |
| VPG Revere          | 5102                                  | VPG Revere   | 9102 Single-ended Beam   | page 262 |
| VPG Revere          | 9102                                  | VPG Revere   | 5102 Single-ended Beam   | page 263 |
| VPG Revere          | 392B                                  | VPG Revere   | CP Compression Canister  | page 276 |
| VPG Revere          | 692B                                  | VPG Revere   | CSP Compression Canister | page 277 |
| Rice Lake           | RL20000                               | VPG Revere   | 363 S-beam               | page 255 |
| Rice Lake           | RL20000SS                             | VPG Revere   | 9363 S-beam              | page 256 |
| Rice Lake           | RL20000ST                             | VPG Revere   | 9363 S-beam              | page 256 |
| Rice Lake           | RL30000                               | VPG Revere   | 5123 Single-ended Beam   | page 258 |
| Rice Lake           | RL39123                               | VPG Revere   | 9123 Single-ended Beam   | page 259 |
| Rice Lake           | RL39523                               | VPG Revere   | 9523 Single-ended Beam   | page 260 |
| Rice Lake           | RLHBB                                 | VPG Revere   | SHB Single-ended Beam    | page 265 |
| Rice Lake           | RLSSB                                 | VPG Revere   | SSB Single-ended Beam    | page 266 |
| Rice Lake           | RL70000                               | VPG Revere   | 5103 Double-ended Beam   | page 267 |
| Rice Lake           | RL70000SS                             | VPG Revere   | 9103 Double-ended Beam   | page 268 |
| Rice Lake           | RL71000HE                             | VPG Revere   | 9103 Double-ended Beam   | page 268 |
| Rice Lake           | RL75223                               | VPG Revere   | 5223 Double-ended Beam   | page 269 |
| Rice Lake           | RLCSP1                                | VPG Revere   | CSP Compression Canister | page 277 |
| Rice Lake           | RL8C2P1SST                            | VPG Revere   | 792 Compression Canister | page 278 |
| Streeter Amet       | 3753070, 3752030,<br>3752040, 3751940 | VPG Revere   | CP Compression Canister  | page 276 |
| Streeter Amet       | 3760XXXX                              | VPG Revere   | CSP Compression Canister | page 277 |
| Thurman             | TSC 800                               | VPG Revere   | 5223 Double-ended Beam   | page 269 |
| Thurman             | 10088970A-50K                         |              | 9803 Double-ended Beam   | page 271 |
| VPG Celtron         | HBB                                   | VPG Revere   | SHB Single-ended Beam    | page 265 |
| VPG Tedeo-Huntleigh | 3411                                  | VPG Revere   | 5123 Single-ended Beam   | page 258 |
| VPG Tedeo-Huntleigh | 355                                   | VPG Revere   | SHB Single-ended Beam    | page 265 |

# VPG Sensortronics

| Manufacturer       | Model           | Manufacturer      | Model                            | Page #   |
|--------------------|-----------------|-------------------|----------------------------------|----------|
| Artech             | 50210           | VPG Sensortronics | 60040 Single-ended Beam          | page 298 |
| Artech             | 80210           | VPG Sensortronics | 65040A-1127W Double-ended Beam   | page 310 |
| Fairbanks          | 65023A-XX-5164  | VPG Sensortronics | 65023A-5297 Single-ended Beam    | page 290 |
| Fairbanks          | Rodan 90814-40K | VPG Sensortronics | 65061A Double-ended Beam         | page 307 |
| Fairbanks          | Rodan 91088-50K | VPG Sensortronics | 65061A Double-ended Beam         | page 307 |
| Fairbanks          | 63951           | VPG Sensortronics | 65114 Rocker Column              | page 311 |
| NCI                | Mark III        | VPG Sensortronics | 60051 Single Point               | page 300 |
| NCI                | Mark IX         | VPG Sensortronics | 60051 Single Point               | page 300 |
| NCI/Weigh-Tronix   | Mark V          | VPG Sensortronics | 60048SS Single Point             | page 299 |
| Pennsylvania       | 65023A-XX-5141  | VPG Sensortronics | 65023A-5107-10 Single-ended Beam | page 291 |
| Revere Transducers | 5203            | VPG Sensortronics | 65016 Double-ended Beam          | page 302 |
| Rice Lake          | RL20001         | VPG Sensortronics | 60001 S-beam                     | page 287 |
| Rice Lake          | RL20001HE       | VPG Sensortronics | 60063 S-beam                     | page 289 |
| Rice Lake          | RL35023         | VPG Sensortronics | 65023A Single-ended Beam         | page 293 |
| Rice Lake          | RL30002         | VPG Sensortronics | 65023A Single-ended Beam         | page 293 |
| Rice Lake          | RL35023S        | VPG Sensortronics | 65023SS Single-ended Beam        | page 294 |
| Rice Lake          | RL35023S        | VPG Sensortronics | 65023S Single-ended Beam         | page 295 |
| Rice Lake          | RL35083         | VPG Sensortronics | 65083 Single-ended Beam          | page 296 |
| Rice Lake          | RL35082         | VPG Sensortronics | 65083S Single-ended Beam         | page 297 |
| Rice Lake          | RL50210         | VPG Sensortronics | 60040 Single-ended Beam          | page 298 |
| Rice Lake          | RL75016         | VPG Sensortronics | 65016 Double-ended Beam          | page 302 |
| Rice Lake          | RL75016WHE      | VPG Sensortronics | 65016W Double-ended Beam         | page 303 |
| Rice Lake          | RL75016WHE      | VPG Sensortronics | 65016WH Double-ended Beam        | page 304 |
| Rice Lake          | RL75058         | VPG Sensortronics | 65058A Double-ended Beam         | page 305 |
| Rice Lake          | RL75060S        | VPG Sensortronics | 65058S Double-ended Beam         | page 306 |
| Rice Lake          | RL75040         | VPG Sensortronics | 65040A Double-ended Beam         | page 308 |
| Rice Lake          | RL75040         | VPG Sensortronics | 65040S Double-ended Beam         | page 309 |
| Rice Lake          | RL75223         | VPG Sensortronics | 65040A-1127W Double-ended Beam   | page 310 |
| Thurman            | TSC 840         | VPG Sensortronics | 65040A Double-ended Beam         | page 308 |
| Thurman            | TSC 800         | VPG Sensortronics | 65040A-1127W Double-ended Beam   | page 310 |
| VPG Celtron        | STC             | VPG Sensortronics | 60001 S-beam                     | page 287 |
| VPG Celtron        | STC-SS          | VPG Sensortronics | 60050 S-beam                     | page 288 |
| VPG Celtron        | SQB             | VPG Sensortronics | 65023A Single-ended Beam         | page 293 |
| VPG Celtron        | SQB-HSS         | VPG Sensortronics | 65083 Single-ended Beam          | page 296 |
| VPG Celtron        | DSR             | VPG Sensortronics | 65016 Double-ended Beam          | page 302 |
| VPG Celtron        | DSR-HSS         | VPG Sensortronics | 65016W Double-ended Beam         | page 303 |
| VPG Celtron        | CLB             | VPG Sensortronics | 65058A Double-ended Beam         | page 305 |
| VPG Celtron        | DLB             | VPG Sensortronics | 65040A Double-ended Beam         | page 308 |
| VPG Revere         | 5503            | VPG Sensortronics | 60040 Single-ended Beam          | page 298 |
| VPG Revere         | 5223            | VPG Sensortronics | 65040A-1127W Double-ended Beam   | page 310 |
| VPG Sensortronics  | 65023 SS        | VPG Sensortronics | 65023S Single-ended Beam         | page 295 |
| VPG Sensortronics  | 65016WH         | VPG Sensortronics | 65016W Double-ended Beam         | page 303 |
| VPG Sensortronics  | 65016W          | VPG Sensortronics | 65016WH Double-ended Beam        | page 304 |
| VPG Sensortronics  | 65040           | VPG Sensortronics | 65040S Double-ended Beam         | page 309 |

## VPG Tedeo-Huntleigh

| Manufacturer        | Model   | Manufacturer        | Model                                      | Page #   |
|---------------------|---------|---------------------|--|----------|
| Flintec             | PCB     | VPG Tedeo-Huntleigh | 1250 Potted Single Point                   | page 334 |
| HBM                 | Z6      | VPG Tedeo-Huntleigh | 355 Single-ended Beam                      | page 321 |
| HBM                 | PW16    | VPG Tedeo-Huntleigh | 1260 Single Point                          | page 331 |
| NMB                 | C2G1    | VPG Tedeo-Huntleigh | 1022 Single Point                          | page 322 |
| VPG Revere          | SHB     | VPG Tedeo-Huntleigh | 355 Single-ended Beam                      | page 321 |
| Rice Lake           | RL30000 | VPG Tedeo-Huntleigh | 3411/3421 Single-ended Beam                | page 318 |
| Rice Lake           | RL39123 | VPG Tedeo-Huntleigh | 3411/3421 Single-ended Beam                | page 318 |
| Rice Lake           | RLHTO   | VPG Tedeo-Huntleigh | 3510 kg Single-ended Beam                  | page 320 |
| Rice Lake           | RLHBB   | VPG Tedeo-Huntleigh | 355 Single-ended Beam                      | page 321 |
| Rice Lake           | RL1521A | VPG Tedeo-Huntleigh | 1022 Single Point                          | page 322 |
| Rice Lake           | RL1010  | VPG Tedeo-Huntleigh | 1010/1015 Potted and Unpotted Single Point | page 323 |
| Rice Lake           | RL1042  | VPG Tedeo-Huntleigh | 1042 Single Point                          | page 325 |
| Rice Lake           | RL1042  | VPG Tedeo-Huntleigh | 1042S Single Point                         | page 325 |
| Rice Lake           | RL1040  | VPG Tedeo-Huntleigh | 1040 Potted and Unpotted Single Point      | page 326 |
| Rice Lake           | RL1140  | VPG Tedeo-Huntleigh | 1140 Single Point                          | page 328 |
| Rice Lake           | 220     | VPG Tedeo-Huntleigh | 220 Compression                            | page 340 |
| Rice Lake           | RL1260  | VPG Tedeo-Huntleigh | 1260 Single Point                          | page 331 |
| Rice Lake           | RL1260  | VPG Tedeo-Huntleigh | 1260S Single Point                         | page 332 |
| Rice Lake           | RL1250  | VPG Tedeo-Huntleigh | 1250 Potted Single Point                   | page 334 |
| VPG BLH             | C2G1    | VPG Tedeo-Huntleigh | 1022 Single Point                          | page 322 |
| VPG Celtron         | SQB-HSS | VPG Tedeo-Huntleigh | 3510 lb Single-ended Beam                  | page 319 |
| VPG Celtron         | HBB     | VPG Tedeo-Huntleigh | 355 Single-ended Beam                      | page 321 |
| VPG Celtron         | LPS     | VPG Tedeo-Huntleigh | 1022 Single Point                          | page 322 |
| VPG Celtron         | LOC     | VPG Tedeo-Huntleigh | 1040 Potted and Unpotted Single Point      | page 326 |
| VPG Celtron         | LOC     | VPG Tedeo-Huntleigh | 1250 Potted Single Point                   | page 334 |
| VPG Celtron         | HOC     | VPG Tedeo-Huntleigh | 1320 Single Point                          | page 335 |
| VPG Revere          | 5123    | VPG Tedeo-Huntleigh | 3411/3421 Single-ended Beam                | page 318 |
| VPG Revere          | 9123    | VPG Tedeo-Huntleigh | 3411/3421 Single-ended Beam                | page 318 |
| VPG Sensortronics   | 65083   | VPG Tedeo-Huntleigh | 3510 lb Single-ended Beam                  | page 319 |
| VPG Tedeo-Huntleigh | 1260    | VPG Tedeo-Huntleigh | 1260S Single Point                         | page 332 |
| Weigh-Tronix        | MK29    | VPG Tedeo-Huntleigh | 1130 Single Point                          | page 327 |

# Shipping Information

| FREIGHT SERVICES OFFERED             | "SMALL PACK" | LTL | TRUCK LOAD |
|--------------------------------------|--------------|-----|------------|
| Nationwide Same Day Service          | Y* ***       | Y*  | N          |
| Next Day (AM)                        | Y**          | Y** | Y**        |
| Next Day (END OF DAY)                | Y            | Y** | Y**        |
| 2 Day                                | Y            | Y   | Y          |
| 3 Day                                | Y            | Y   | Y          |
| Ground                               | Y            | Y   | Y          |
| Canada                               | Y            | Y   | Y          |
| Mexico                               | Y            | Y   | Y          |
| Express Freight (Air-over 150 lb)*** | Y            | Y   | N          |
| International (Sea)                  | Y            | Y   | Y          |
| International (Air)                  | Y            | Y   | N          |

\* Subject to cost/distance

\*\* Subject to distance

\*\*\* Subject to flight availability and proximity of nearest airport

## Same Day Services

These services do not carry the same service guarantees that standard delivery schedules do and are subject to availability.

## Small Parcel Services

We ship with internationally recognized parcel carriers based on delivery time and services offered.

## Determining Dimensional Weight for Small Parcel Shipments for Air and Ground

When shipping via air services, carriers require the shipping weight be determined by the greater of the boxed product's actual weight or its dimensional shipping weight. The formula for calculating dimensional shipping weight is as follows:

Domestic shipments via Ground or Air:  $L \times W \times H / 139$ .

International air shipments:  $L \times W \times H / 139$ .

Please note: Rice Lake Weighing Systems takes the added precaution of double-boxing some of our electronic products and balances. This may result in higher dimensional weight charges by the carrier. Even with this added precaution, we suggest you always ship high precision and fragile products via air services to reduce excessive handling.

## Less Than Truckload (LTL)

Full service LTL coverage for the continental United States, Puerto Rico, Canada and Mexico.

Note: A standard LTL delivery is considered to be one that ships from either a company or partner dock to arrival at a standard commercial address with disposition of the goods at the rear of the truck to enable off loading by material handling equipment provided by the consignee at either ground level or via loading dock. The freight in question should be palletized and secured in a way to facilitate the safe handling of the freight with no one dimension over seven feet, six inches.

Any LTL delivery falling outside of this criteria may well accrue accessorial charges levied by the carrier in line with their tariff rules. It is recommended that any potential accessorial costs are discussed at the time of order placement so these costs can be billed appropriately at the time of shipment. If this is not the case, Rice Lake reserves the right to charge the customer retrospectively for any accessorial costs incurred during the delivery process.

Accessorial charges include, but are not limited to the following:

Lift gate, call for appointment and guaranteed delivery: Day and by 10:30 a.m. (where available). Excessive length, inside delivery

**NOTE: To inside of first threshold crossed only**, high cost delivery areas such as government sites and mines, re-delivery, re-consignment, residential and restricted access shipments. All prices are available on request.

## Full Truckload

Various truckload providers give us the ability to ship to the contiguous United States, Alaska, Canada and Mexico.

## Forwarders (International Freight)

We can provide service through a forwarder of our choice, or select one of your preferred forwarders.

**Air freight:** All of our forwarders are internationally recognized brands.

**Ocean freight:** All of our forwarders are internationally recognized brands.

## Rice Lake Weighing Systems Freight Claims Procedure

Incidents can happen anytime between a package's departure from Rice Lake's loading dock and the time you receive it. For that reason, we are asking you to follow the procedures below when receiving a shipment.

The Bill of Lading (BOL) or Delivery Receipt (D/R) is the only record of the product's condition when it arrives at your site. If you do not inspect a shipment before signing, you are essentially waiving the right to collect on a damage claim regardless of whether the damage is visible or concealed. Your signature on a delivering carrier's BOL or D/R constitutes acceptance of the merchandise "as is." This proof is essential in filing a claim and holding the responsible parties accountable for items damaged or missing while in transit. Remember, once you sign, the goods and responsibility are yours.

### Receiving a Shipment

- Check immediately for possible damage during shipment. Inspect, examine and inventory your delivery as it is unloaded.
- Open cartons and containers. Any suspicion of damage or shortage must be noted on the BOL or D/R. This information must include the item, discrepancy and condition of the item in question. If this is NOT noted, the liability to prove the damage was done by the delivering carrier is your responsibility.
- The driver cannot leave your receiving dock until the BOL or D/R is signed, regardless if they are behind schedule or not. Do not be intimidated by the driver.

### Damaged Shipment

- Discovered damage: If the box, crate or merchandise is visibly damaged, beyond what you would consider to be normal shipping wear and tear, refuse the delivery and request a Return Authorization Number from the driver in order for the shipment to be sent back to its origin at no charge.
- Concealed damage: Immediately document and photograph the damage and packaging. Keep all crating and packaging material with the damaged item(s) for inspection by the company's claim inspector until told to either return or dispose of the item(s). The item should be moved minimally; only to an area where it can be inspected by the carrier or their agent.
- Keep a second copy of the BOL or D/R noting the damage and the driver's signature.
- Call your Rice Lake Weighing Systems customer service representative to report the shortage and/or damage. Ideally, the call should be made before the driver leaves the site.

At this point, a claim for concealed damage will be started and an inspection will be requested. The inspector will determine if the damage was possibly caused by the carrier. A report and claim must be filed with the carrier within seven days after delivery. The sooner concealed damage is discovered and reported, the better.

### Small Parcel Shipments

In general, it is the policy of small parcel carriers to NOT deliver damaged packages but rather take them back to the distribution center for evaluation. HOWEVER, that does not always happen. Occasionally if the package is deemed to be ok, it will be re-taped and delivered to the consignee. If damage is noticed while still at the distribution center, a notation should have been entered into the system.

If you do receive a package that appears to be damaged you can either refuse as damaged or you can accept the damaged package and report the damage (immediately) to your Rice Lake customer service representative with the tracking number. They will, in turn, contact the relevant team member from their support group so the claims process can be started. It should be noted that **drivers do not normally note the package was damaged until it is brought back to the distribution center. A clerk will note damage at that point.**

### Questions

If you have any questions about shipping or potential damages to your shipment, contact us at 800-472-6703 and a member of our sales and logistics team will assist you.



# Customer Service Contacts

At Rice Lake Weighing Systems we strive to give you the best customer service in the industry. You can depend on our knowledgeable staff to deliver decisive, courteous assistance when you need it most.

Customer Service Representative Hours (CST):

Monday through Friday 6:30 AM to 6:30 PM; Saturday 8:00 AM to Noon

## United States and Canada Field Sales



**Tim Campbell**  
Great Lakes Region  
715-434-5067



**Jeff Canfield**  
Allegheny Region  
715-434-5081



**Jim Gruchalla**  
Lower Midwest Region  
715-434-5084



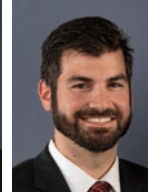
**Chris Hanson**  
Mid-Southeast Region  
715-434-5069



**Reggie Mabe**  
Eastern Canada Region  
715-434-5049



**Monte Martinson**  
Upper Midwest Region  
715-736-6466



**Gabriel Ruberti**  
Southeast Region  
715-434-5157



**Jim O'Brien**  
Northeast Region  
715-736-6487



**Murray Stewart**  
Western Canada Region  
715-434-5194



**Tommy Nix**  
Southwest Region  
715-434-5047



**Steve Delaney**  
Mid-Southwest Region  
715-434-5293



**Jon Spencer**  
Northwest Region  
715-434-5370

## International Field Sales



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International Sales  
Director  
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**Martin Devilla**  
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**Paolo Picotti**  
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**Robert Brzozowski**  
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+48 664 085 410

# Customer Service Contacts

CUSTOMER  
ASSISTANCE

## Customer Relations



**Mark O. Johnson**  
Chief Executive  
Officer



**Mark Johnson, Jr.**  
President



**Steve Parkman**  
Chief Operating  
Officer



**Nick Peterson**  
Chief Financial  
Officer



**Tom Kowalski**  
Chief Information  
Officer



**Steve Hersman**  
Vice President of  
Global Sales



**Dominic Hodkiewicz**  
Vice President of  
Manufacturing



**Patrick Ranfranz**  
Vice President of  
Marketing



**Glenn Zalusky**  
Vice President  
Strategic Business



**Tim Donahue**  
Director, Global  
Product Management  
and Innovation



**Guru Ganesh**  
Managing Director,  
India



**Walter Hendriks**  
Managing Director,  
Master Brand, Europe



**Massimo  
Corrandini**  
General Manager  
Engineering/  
Manufacturing  
Modena, Italy



**Enrico Tosi**  
General Manager  
Business/HR/Finance  
Modena, Italy



**Kevin Marshall**  
Logistics Manager



**Jim Norvid**  
Director of Mechanical  
Engineering



**Joe Ramos**  
Director of Electrical/  
Software Engineering



**Brandi Harder**  
Quality Manager



**Mike Solie**  
Training Coordinator



**Greg Stager**  
Technical Training  
Specialist

## Inside Sales



**Deanna Stanley**  
Inside Sales Manager



**Keven Jensen**  
Warranty Coordinator



**Shannon Abel**



**Eric Butzler**



**Sonya Hegle**



**Stacie Lashmett-  
Stoebel**



**Gene Marquardt**



**Jason Mathews**



**Matt Piazza**



**Ray Pumala**



**Sam Solie**



**Jamie Springer**



**John Tennant**



**Casey Sutherland**



**Lynnette  
Thompson**



**Kally Wagner**

# Customer Service Contacts

## Sales Engineers



**Tommy Guest**  
Sales Resource/Tech  
Support Manager



**Tim DeDoncker**



**John Eisele**



**Doug Hagie**



**Sharon Miller**



**Efrain Molinari**  
Habla Español



**Preston Reed**



**Brady Reetz**



**Marvin Stodola**

## Health Sales



**Staci Wiesner**  
715-434-5124

## Heavy Capacity Sales



**Matt Davis**  
Product Manager



**Karen Hansen**



**Stacie Lashmett-  
Stoeberl**



**Matt Piazza**



**Tony Zillmer**

## International Region



**Jennifer  
Krahenbuhl**



**Gloria Miranda**  
Habla Español



**Bobbie Stiver**  
Habla Español  
Parle Français

## Livestock Sales



**Andy Burish**  
Product Manager



**Keven Jensen**



**Gene Marquardt**



**Sam Solie**



**Tony Zillmer**

## MSI Overhead Weighing



**Phil Gray**  
Director of  
Operations



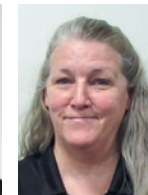
**Bob Davis**  
Field Sales Engineer



**Patrick Hillman**  
Technical Sales &  
Service Specialist



**Jack Nelson**  
Technical Sales  
Specialist



**Sue Radowick**  
Inside Sales



**Rob Nelson**  
Engineering  
Manager



# Customer Service Contacts

CUSTOMER  
ASSISTANCE

## Technical Support



**Tommy Guest**  
Sales Resource/Tech  
Support Manager



**Brian Ballerstein**



**Brent Craine**



**Alan Dobrowolski**



**Mark Hopland**



**Peter Jacobs**



**Torey Nelson**



**Daniel Poler**



**Scott Ross**



**Layne Siverling**



**Joel Thompson**



**Mark Ware**



**Don O'Connell**  
Retail



**Chris Olson**  
Retail



**Matt Rigden**  
Retail

## Repair Department



**Phil Stoeberl**  
Electronic Assembly  
Repair Manager



**Diane Gagner**  
Warranty>Returns



**Lisa Maciosek**  
Warranty>Returns



**Randee Bauch**



**David Deitz**



**Deb Hayton**



**Chad Dobrowolski**



**Tracy Lavalieri**



**Brian Veitch**

## Receptionists



**Terica Schamberger**  
Sales Administration  
Supervisor



**Chantel Holmes**



**Trish Schultz**



**Briana Shramek**

## Financial Services



**Lynette Marshall**  
Financial Services  
Manager



**Wendy Boese**  
Senior Account  
Analyst



**Terri Brinker**  
Account Analyst



**Nicole Dostal**  
Senior Account  
Analyst



**Marcia Fankhauser**  
Account Analyst



**Katie Garling**  
Tax Specialist



**Leanne Madsen**  
Account Analyst



**Melissa Olson**  
Account Analyst

# Customer Assistance

## Product Support

Rice Lake Weighing Systems strives to provide you with the most current and accurate information in our Load Cell Guide. Manufacturers occasionally change specifications or prices after the publication is printed, which is beyond our control. Please consult our sales staff or our website at [www.ricelake.com](http://www.ricelake.com) for the most current information.

## Returns

Our commitment to our distributors states that if any standard product purchased from Rice Lake Weighing Systems does not work, or if the incorrect product is shipped, return it in its original shipping container with all accessories for full credit or replacement within 30 days of purchase. Always inspect the product upon receipt.

Please note that if the incorrect amount of product was shipped, Rice Lake Weighing Systems must be contacted within 30 days of the purchase. Upon notification, we will immediately correct the situation.

We may, at our option, assess a restocking charge if the equipment was incorrectly specified for the application intended, and/or damaged beyond reasonable repair. The restocking charge is directly proportional to the amount of time and material required to return the item to resalable condition—we will make every effort to do this quickly and economically. Equipment that has been abused and/or shows signs of excessive wear, and cannot be reconditioned and resold, will not be accepted for return.

## As Applied to Drop Shipments

All Rice Lake Weighing Systems return guidelines apply to products drop-shipped to your end-user customer. If a perceived error occurs, Rice Lake Weighing Systems will investigate to the best of our ability to determine if the error occurred prior to shipping, during shipping or at the end-user site. If our records and subsequent investigation indicate that the shipment was correct when it left our factory, our responsibility extends only to the distributor, not their end-user. Our standard product warranty notes that our coverage extends only to equipment and systems properly installed by a distributor.

## Trademark Recognition

The following product names, logos, brands and other trademarks featured or referred to within this publication are the property of their respective trademark holders.

|                      |                      |
|----------------------|----------------------|
| DigiTol®             | Masstron®            |
| Flintec®             | Revere Technologies® |
| Artech®              | Fairbanks®           |
| VPG BLH®             | Weigh-Tronix®        |
| VPG Celtron®         | Avery Weigh-Tronix®  |
| VPG Revere®          | Thurman®             |
| VPG Sensortronics®   | Unibridge®           |
| VPG Tedea-Huntleigh® | Howe Richardson®     |
| HBK®                 | Streeter Amet®       |
| HBM®                 | NMB®                 |
| Mettler-Toledo®      | Streeter Richardson® |
| Toledo™              | Interface®           |
| NCI™                 | NV Technology®       |
| Howe™                | Pennsylvania®        |
| PreVent™             | Power Cell®          |
| Cardinal®            | Hecon®               |

The terms “buyer,” “authorized reseller,” and “customer” as used herein, shall mean the party placing the purchase order with Rice Lake Weighing Systems. No contractual relationship between Rice Lake Weighing Systems and said party shall arise until such time as a purchase order has been accepted by Rice Lake Weighing Systems and such acceptance has been indicated on a written acknowledgment. Orders shall be subject to Rice Lake Weighing Systems’ standard terms and conditions as printed below, subject to correction for clerical errors.

Any conditions stipulated by the buyer which are in contradiction to these sales terms and conditions shall only be valid if expressly acknowledged by Rice Lake Weighing Systems in writing.

## 1. Prices

(a) Rice Lake Weighing Systems (Rice Lake) prices are net 30 days Ex Works Rice Lake plants. Orders are subject to approval of our credit department with rights reserved to change or withdraw credit terms without notice and to terminate any orders when invoices for work done thereon have gone unpaid for 60 days.

(b) Prices do not include taxes of any kind by federal, state, municipality or other governmental authority, which Rice Lake may be required to collect or pay with respect to the sale or shipment of goods sold hereunder. Regardless of when any such taxes are determined or become payable, all taxes would be the responsibility of the customer and would be in addition to the prices quoted hereon.

(c) This quotation is made upon the basis of the cost of materials and labor as of the date of this quotation. A change in such costs shall give Rice Lake the right to alter prices to reflect such changes in cost.

(d) Requests for additional documentation, drawings, audits of factories or inspection of equipment in-process, additional testing, additional inspections and record retention will be quoted as a separate item even if we have already issued quotations for products and services.

## 2. Shipment, Title, Risk of Loss

(a) All shipments are Ex Works point of shipment. Title and risk of loss or damage passes to the customer upon presentation of the goods to the customer’s carrier at Rice Lake’s facility.

## 3. Quantity, Materials and Tolerances

(a) Rice Lake assumes no responsibility for loss or damage occurring by reason of delay or inability to deliver caused by fires, strikes, accidents, embargoes, car shortages, delays of carriers, insurrection, riots, acts of the civil or military authorities, nor will we assume responsibility for any reason whatever for damages of any kind on account of failure to deliver at the time specified. The customer shall indemnify and hold Rice Lake harmless from all direct and consequential costs and damages resulting from such loss or delay.

## 4. Weight Calibration Services

The uncertainty of measurement is included in the decision rule in determining pass/fail criteria of the Maximum Permissible Error (MPE).

## 5. Patents

If this quotation covers parts made specifically for the customer, the customer agrees to indemnify and hold Rice Lake harmless against any loss resulting from infringement of patents or trademarks, or from claims of such infringements and shall pay all legal and defense costs incurred by Rice Lake in the defense of such actions.

## 6. Software

Unless specifically otherwise stated, any and all software associated or part of any product sold, loaned on trial or demonstration to the customer is to be considered proprietary to Rice Lake. The customer agrees not to duplicate for distribution or to sell or distribute in any way without the prior written consent of Rice Lake.

## 7. Changes and Cancellation: Rejection, Claims

(a) Orders placed with Rice Lake are not subject to cancellation, change or reduction in amount or suspension of deliveries except with Rice Lake’s consent and upon terms that indemnify Rice Lake against loss. Unless confirmed in writing, all verbal agreements are void.

(b) Rice Lake will not be responsible for changes in design, deliveries or other instructions, unless they are furnished in writing. The customer agrees to pay for all tooling charges caused by changes in design or specifications.

(c) Samples submitted shall be deemed approved unless written rejection is received within two weeks of submission.

(d) Manufactured parts will be shipped and billed as they are produced.

(e) Claims for shortage or rejections for defects must be made within 10 days of receipt of goods. Credit will be rendered on such defective parts after we have had an opportunity to inspect them, provided they are returned to our factory, transportation charges prepaid, within 30 days, and provided they have not been altered or defaced in any way.

## 8. Tooling and Designing

(a) In consideration of the engineering service necessary in the designing of jigs, fixtures and tooling not being charged for, but being quoted on the basis of labor and material only, and not at their fair market value, such jigs, fixtures and tooling shall remain in our possession for at least one year. Thereafter, the customer desiring delivery of such jigs, fixtures and tooling shall pay an engineering charge of 50 percent of the original price of said jigs, fixtures and tooling and accept same as-is.

(b) When requested, we will submit suggestions concerning design and construction of parts, but we will not accept responsibility of liability for the practicability of these suggestions if adopted by the customer.

## 9. Delivery and Adjustment to Price

(a) If the customer requests that the goods be manufactured and shipped on a date (or dates) earlier than originally agreed to by Rice Lake and the customer, and Rice Lake agrees to the earlier date (or dates), any increase in the cost of performance incurred by Rice Lake resulting from earlier manufacture and shipment will be included in an adjustment of the purchase price to be made by Rice Lake and will be paid by the customer.



# Terms and Conditions

(b) Should shipments be held beyond scheduled date for convenience of the customer, goods will be billed and charges will be made for warehousing, trucking and other expenses incident to such delay. Reasonable and sufficient care is taken by Rice Lake in crating its goods. Rice Lake cannot be held responsible for breakage after having received “in-good-order” receipts from the transportation carrier. All claim for loss and damage must be made by the customer to the carrier, but we will assist insofar as practical in securing satisfactory adjustment of such claims.

## 10. Payment and Liens

(a) All invoices shall be due and payable when submitted for payment in accordance with the revisions of Rice Lake terms. No withholding of funds, back charges or credits against amounts otherwise due to Rice Lake will be permitted unless specifically agreed to in writing by Rice Lake. Settlement of any amounts due to the customer will be negotiated as separate items and not as offsets against amounts otherwise due to Rice Lake from the customer for products sold hereunder.

(b) Any unpaid account for work done shall constitute a lien on any jigs, fixtures, manufactured parts and raw materials in Rice Lake possession. In the event any account remains open and unpaid for 90 days, Rice Lake reserves the right to use the customer's jigs and fixtures to make parts therefrom, and to sell or dispose of manufactured parts and raw materials.

(c) The customer shall not assign or transfer any rights or obligations arising from this proposal, or monies payable thereunder, without the prior written consent of Rice Lake, and any such assignment or transfer made without such written consent shall be deemed null and void.

## 11. Additional Provisions

(a) Errors—stenographic and clerical errors are subject to correction.

(b) These terms and conditions constitute the entire contract between the customer and Rice Lake, transcending any oral arrangements or representations which may be inconsistent therewith.

(c) This quotation is made under and shall be governed by the laws of the state of Wisconsin.

## 12. Resale of Rice Lake Weighing Systems Products

In order to ensure compliance with the U.S. Export Administration Regulations we ask you to comply with the following:

(a) The customer shall not export or re-export Rice Lake Weighing Systems products, either directly or indirectly, in contravention of any applicable law, statute or regulation and will first obtain any required licenses or authorizations from the relevant government authority when necessary as prescribed by law.

(b) The customer confirms that it is familiar with and complies with the relevant national and international export control regulations and embargo regulations. The customer furthermore confirms that it is in particular familiar with and complies with the U.S. Department of Commerce, Export Administration Regulations; U.S. Department of Treasury, OFAC Sanctions; the U.S. Department of Defense, ITAR requirements and the U.S. Department of State regulations.

(c) If deemed necessary, Rice Lake Weighing Systems, in individual cases may make further requests from the customer for information required for export compliance.

(d) Should it be necessary for the customer to obtain an export license from the appropriate authorities pursuant to the aforementioned regulations, the customer shall apply for such a license autonomously and at their own expense.

**The foregoing warranties are exclusive and in lieu of all other express and implied warranties whatsoever, including but not limited to implied warranties of merchantability and fitness for a particular purpose. Rice Lake shall not be subject to any other obligations or liabilities whatsoever with respect to parts manufactured or supplied by Rice Lake or services rendered by it.**

**Anything herein to the contrary notwithstanding, Rice Lake shall not be liable for incidental and consequential damages, and in substitution for all remedies which the customer may have under any applicable law. The customer's sole and exclusive remedy against Rice Lake for any breach of warranty or any other breach relating to goods delivered pursuant hereto shall be for repair or replacement (at Rice Lake's option) of the goods or parts effected by such breach.**

## Warranties

### Standard Product Limited Warranty

Rice Lake Weighing Systems (Rice Lake) warrants that all Rice Lake brand equipment and systems properly installed by an Authorized Reseller or original equipment manufacturer (OEM) will operate per written specifications as confirmed by the authorized reseller/OEM and accepted by Rice Lake. All systems and components are warranted against defects in materials and workmanship for one (1) year from the date of shipment from Rice Lake, unless otherwise stated in the product catalog or manual. Rice Lake warrants that the equipment sold here under will conform to the current written specifications authorized by Rice Lake. Rice Lake warrants the equipment against faulty workmanship and defective materials. If any equipment fails to conform to these warranties, **Rice Lake will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:**

Upon discovery by the Customer of such nonconformity, Rice Lake will be given prompt written notice with a detailed explanation of the alleged deficiencies.

Individual electronic components returned to Rice Lake for warranty purposes must be packaged to prevent electrostatic discharge (ESD) damage in shipment. Packaging requirements are listed in the publication, “Protecting Your Components From Static Damage in Shipment,” available from the Rice Lake Equipment Return Department.

Examination of such equipment by Rice Lake confirms that the non-conformity actually exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair, or improper testing. Rice Lake shall be the sole judge of all alleged non-conformities.

# Warranty and Limitation of Liability

Such equipment has not been modified, altered, or changed by any person other than Rice Lake or its duly authorized repair agents.

Cutting the load cell cable will void the warranty.

Rice Lake will have a reasonable time to repair or replace the defective equipment. The Customer is responsible for shipping the product to Rice Lake. Rice Lake is responsible for shipping the product back to the Customer.

In no event will Rice Lake be responsible for travel time or on-location repairs, including assembly or disassembly of equipment. Nor will Rice Lake be liable for the cost of any repairs made by others.

On all intrinsically safe equipment, any field repair or modifications voids any and all warranties expressed or implied and void F.M. approval.

Any loose hardware, screws, washers or non-ESD bags of hardware stored inside indicator will void warranty. This could cause harm to repair technician or damage CPU board.

If just the board is sent in for repair, the serial number of the product the board is from should accompany the board.

**These warranties exclude all other warranties, expressed or implied, including without limitation warranties of merchantability or fitness for a particular purpose. Neither Rice Lake nor the authorized reseller will, in any event, be liable for incidental or consequential damages at the point of use. Rice Lake and the Customer agree that Rice Lake's sole and exclusive liability here under is limited to repair or replacement of such goods. In accepting this warranty, the Customer waives any and all other claims to warranty.**

**Should the seller be other than Rice Lake, the Customer agrees to look only to the seller for warranty claims.** No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of Rice Lake and the Customer.

## Carrier Product Damage

As part of our commitment to customer satisfaction and in accordance with ISO 9001 standards, we make every attempt to pack our products so they will arrive in new condition. Occasionally due to rough handling or carelessness of carrier, product may arrive in a damaged condition. When this happens, don't assume that the shipment left Rice Lake in that condition or that the original packing was not sufficient.

The receiver, whether it is the authorized reseller or their Customer, is responsible for making a notation of damaged or missing items when signing the carrier's delivery receipt. If you or your Customer are not sure whether there is damage, we suggest adding a statement "CONDITION UNKNOWN" to the delivery receipt. In the event that damage or missing items are not properly documented at time of receipt, the carrier is relieved of responsibility and the receiver is then responsible for the cost to get the product back to new condition.

After the damage or shortage has been properly noted with the carrier, contact Rice Lake immediately and keep all the original packaging material for inspection by the carrier's representative. It is also helpful in the claim process to take pictures of the condition of the packaging and damage.

When drop-shipping items to your Customers, it is imperative that you advise them of their responsibility in accepting shipments from common carriers. Even if the equipment is not expected to be installed or used for a period of time, the shipment must be inspected at time of receipt in order to preserve their rights for making a claim.

## Custom Software Limited Warranty

Rice Lake Weighing Systems (Rice Lake) warrants that (a) the software will perform in accordance with the specification and accompanying written endorsement by the Customer for a period of 90 days from the date of receipt; (b) any hardware accompanying the software will be free from defects in materials and workmanship under normal use and service for a period of one (1) year from the date of shipment from Rice Lake; and (c) the Customer should perform inspection and testing of software products prior to installation.

This limited warranty is void if failure of the software or hardware has resulted from accident, abuse, misapplication, or incorrect Customer specification. Any replacement software will be warranted for the remainder of the original warranty period or 30 days, whichever is longer.

If the software fails to conform to these warranties, Rice Lake will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:

Upon discovery by the Customer of such nonconformity, Rice Lake will be given prompt written notice with a detailed explanation of the alleged deficiencies.

Examination of software by Rice Lake confirms that the nonconformity exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair, improper testing, or incorrect Customer specification. Rice Lake shall be the sole judge of all alleged non-conformities.

Rice Lake will have a reasonable time to repair or replace the software. The Customer is responsible for shipping charges both ways.

In no event will Rice Lake be responsible for travel time or on-location repairs, including assembly or disassembly of equipment. Nor will Rice Lake be liable for the cost of any repairs made by others.

**These warranties exclude all other warranties, expressed or implied, including without limitation warranties of merchantability or fitness for a particular purpose. Neither Rice Lake nor the authorized reseller will, in any event, be liable for incidental or consequential damages at the point of use.**

**Rice Lake and Customer agree that Rice Lake's sole and exclusive liability here under is limited to repair or replacement of such goods. In accepting this warranty, the Customer waives any and all other claims to warranty.**

# Warranty and Limitation of Liability

Should the seller be other than Rice Lake, the Customer agrees to look only to the seller for warranty claims.

No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of Rice Lake and the Customer.

## Return Policies

Our commitment to our Customers states that if any standard product purchased from Rice Lake does not work, or if the incorrect product is shipped, **return it in its original shipping carton with all accessories in "like new" condition** for full credit or replacement within 30 days of purchase. **Electronic components returned to Rice Lake must be properly packaged to prevent electrostatic discharge (ESD) damage in shipment.**

Packaging requirements are listed in the publication, "Protecting Your Components from Static Damage in Shipment," available online or from our Returns Department. This policy and the 30-day limit also apply to any products drop-shipped directly from the manufacturer.

Please note that if an incorrect quantity of product was shipped, Rice Lake must be contacted within 10 days of the purchase. Upon notification, we will immediately correct the situation.

**A restocking charge will apply if equipment is not in like-new condition.** The restocking charge is directly proportional to the amount of time and material required to return the item to resalable condition—we will make every effort to do this quickly and economically. Equipment that has been abused and/or shows signs of excessive wear and cannot be reconditioned and resold will not be accepted for return or credit after excessive wear or has been modified.

## As Applied to Drop Shipments

All Rice Lake return guidelines apply to products drop-shipped directly from the manufacturer. If a perceived error occurs, Rice Lake will investigate to the best of our ability to determine if the error occurred prior to shipping, during shipping, or at the end user site. If our records and subsequent investigation indicate that the shipment was correct when it left our factory, our responsibility extends only to the authorized reseller, not their end user. Our standard product warranty notes that our coverage extends only to equipment and systems **properly installed by an authorized reseller.**

## Obtaining an RMA

A return authorization number (RMA) is required for all materials being returned to Rice Lake for credit. Flat rate repairs require purchase orders at time of RMA issuance. When returning equipment for repair or warranty reimbursement consideration, these simple steps will help to expedite your request:

1. Contact our Returns Department.
2. Please have your customer number and both the item description and detailed findings of product problem for repair.
3. Please have the original sales order or invoice number for items to be returned for credit or warranty.  
NOTE: See return policy
4. An RMA number will be given for eligible returns. This RMA number may also be faxed or emailed per your request.

## Return Shipments Outside the United States for Repair, Warranty, Calibration or Other Services and Re-export.

### For shipment to the USA:

1. The commercial invoice must include the following statement:
  - i. "These goods are being returned for maintenance under"
  - ii. Goods Made in the USA -- "HTS 9801.00.1012"
  - iii. Goods NOT made in the USA -- "HTS 9801.00.2500"
2. The commercial invoice must list items individually and include the fair market value of the item based on its present condition for customs purposes only.
3. Please reference original Rice Lake commercial invoice number and date item was purchased if applicable.
4. Please note that failure to follow these procedures may cause delay and will certainly incur extra charges that will NOT be absorbed by Rice Lake.

## Return Shipments Outside the United States Other Than for Repair, or Service Work Not Being Returned.

### For shipment to the USA:

1. The commercial invoice must include the following statement:
  - i. Goods Made in the USA -- "HTS 9801.00.1045"
  - ii. Goods NOT made in the USA -- "HTS 9801.00.2500"
2. The commercial invoice must list items individually and include the fair market value of the item based on its present condition for customs purposes only.
3. Please reference original Rice Lake commercial invoice number and date item was purchased if applicable.
4. Please note that failure to follow these procedures may cause delay and possible reduction in your refund.
5. Please be advised that you may qualify for a refund of your duties and should contact your local customs authority for instructions and forms.

## Special Order, Modified, Non-Catalog, or Non-Stock Items

Due to the added resources and difficulty in reselling special or non-standard products, returns or credit are not allowed for special order equipment, special software programs, equipment physically modified or altered in the field, discrete electronic components, relays, manuals, or opened software packages.

## Calibration Test Weights

All weights returned for credit will be assessed a restocking charge because of the required inspection and verification. Credit is not allowed for serialized weights, calibration or traceable services performed on weights.

### Calibration Test Weights

No returns will be accepted for items that are specifically modified for the Customer's requirements. Examples of such modifications may include, but not necessarily limited to:

1. Weights that have been specifically built to the customer's specifications.
2. Standard product specifically modified to the customer's specifications.

# Warranty and Limitation of Liability

3. Standard product engraved with serial numbers at the customer's request.
4. Laboratory procedure charges.
5. Laboratory documentation fees.

## Balances

Balances returned for credit within 30 days of purchase may be subject to a restocking fee if assessed by balance manufacturer.

### Balance Repair Policy and Rates

We offer repair support on the following balance models:

- All Rice Lake brand models: Once we receive the equipment and the RMA form, an estimate will be prepared.

A minimum charge of one hour will apply. All balance repairs are covered by a 90-day limited warranty on parts and workmanship performed and noted under the scope of the specific repair. Balances must be packaged to adequately protect them from damage in transit. Please refer to "How to Prepare a Balance for Shipment" available on our website and from our Returns Department.

### How to Prepare a Balance for Shipment

The best and most effective method for shipping a balance at any time and for any reason is to use the original manufacturer's packaging materials and subsequently double box it as described below. Teach your Customers to retain the packing set. Please remember that due to the nature of the equipment, new packaging materials can be very expensive.

In the event that the original manufacturer's packaging materials are not available, follow these instructions for top loading balances.

1. Remove the weighing platform cover, support buttons, weighing platform, floor plate and other devices installed in the weighing chamber. Pack these pieces individually in bubble wrap and tape the wrapping closed. Follow this same procedure for AC adapters and power cords. Please note that AC adapters and power cords are necessary to adequately evaluate the problem.
2. Examine the device (refer to the operating instructions) and if necessary, re-install or tighten any shipping screws/retaining devices to prevent damage to the weighing mechanism during shipment.
3. If the floor plate is not removable, ensure it is securely in place and cannot come loose during shipment, even if the balance is inverted. Do NOT invert the balance to test the security of the floor plate.
4. Clean the device of any loose debris or potential contaminants to our testing facility.
5. Prepare and sign a Statement of Decontamination (form #0679). This form MUST be included in a separate packing list envelope on the outside of the box with the "Statement of Decontamination Form" statement clearly visible.

6. Using Scotch tape or "speed" tape, tape all the glass doors on the device CLOSED. Be sure the tape is securely affixed and will not come off during shipment. Please note that on some devices, the glass breeze-break around the weighing chamber can actually be disassembled and packed separate prior to shipment. Refer to the manufacturer's operating instructions. If this is a feature of the device being return, disassemble the breeze break and pack it in its own packing material and box.
7. Use a large box that will provide a minimum of 3 inches of space around the device for loose-fill packing material.
8. Place a padding of foam or Styrofoam (at least 1 inch thick) at the bottom of the box.
9. Place the balance in a large plastic bag and seal the bag closed.
10. Please put the device on top of the foam padding or Styrofoam from step 8 above.
11. Ensure that there is at least three inches of clearance between the top of the balance and the top of the box.
12. Using generous amounts of anti-static loose-fill packing material, fill all the spaces around the balance. Shake the box to cause the material to settle and add additional loose fill as necessary.
13. Place the small box containing all the items from step 1 above on top of the loose fill covering the balance. Add additional loose fill to completely cover all items within the box.
14. Double pack this box in another box that will again provide an additional two inches of space around the inner box. Fill all existing space between the inner and outer box with copious amounts of anti-static loose fill packing material.
15. Seal the box and include all the necessary documentation on the outside of the box. Don't forget the Decontamination Form (form #0679) from step 5 above.

## Repair Service Policies

Our Service Department is staffed Monday through Friday from 6:30 A.M. to 6:30 P.M., and Saturday from 8:00 A.M. to noon, Central time. For those utilizing the conveniences of the internet, we have an e-mail address dedicated to technical support. Please contact Rice Lake at [service@ricelake.com](mailto:service@ricelake.com) for answers to your technical questions and the status of repair products during normal business hours.

We provide quality and timely repairs for the products we sell. Flat rate repair is offered for selected models of indicators, printers and remote displays. Prior to returning a product for repair, our returns department will work with you to determine some key factors that will help Rice Lake better serve you. Please provide the following via phone to extensions 5348 or an RMA form.

# Warranty and Limitation of Liability

- Customer Number: Without a customer number we cannot issue an RMA number.
- Ship-to Address: Your customer number will bring up the bill-to address. You must inform Rice Lake of the ship-to address if it's different than the bill-to address.
- **Original sales and invoice orders: Required on warranty claims.**
- Freight Type: Unless stated otherwise, we ship the device back to you utilizing the same freight type in which we received it. If Rice Lake is responsible for freight charges, the carrier will be selected at the sole discretion of Rice Lake.
- **Definition of Product and Problem: Please provide as much detail as possible regarding the type of product, application and problem.**
- Purchase Order Number for Flat Rate Repair: Once we receive the equipment and the RMA, equipment for flat rate repair will be processed immediately. Other equipment will be evaluated and a minimum evaluation charge will apply (contact the factory for exact pricing).

You may be asked about the possibility of a new replacement product. It may be in your customer's best interest to explore the option of purchasing a new product if the repair will exceed 50 percent of authorized reseller net price, since new products carry full-warranty benefits.

Please note our hourly service rate on all current Rice Lake products. Contact the factory for exact pricing. There is a 120-day limited warranty on parts and workmanship performed and noted under the scope of the specific repair.

## California Proposition 65

### Rice Lake Weighing Systems Statement

Proposition 65 requires businesses to inform Californians about exposures to chemicals that are known to cause cancer, birth defects or other reproductive harm. These chemicals may be in the products you purchase, or they may be exposed to you at home, at the workplace or within the environment. Proposition 65 enables Californians to make informed decisions about their exposures to these chemicals.

Rice Lake Weighing Systems wants to be proactive in regards to Proposition 65 and provide information about the products we produce, distribute and use to manufacture equipment we sell.

We are providing this warning based on the knowledge that one or more chemicals included in the California Proposition 65 list known to cause cancer, birth defects or other reproductive harm may be present in Rice Lake Weighing Systems products and workplaces.



**WARNING:** Chemicals listed in California Proposition 65 known to cause cancer, birth defects or other reproductive harm may be present only in trace amounts or contained within Rice Lake Weighing Systems products and proper encapsulation equipment. This warning is provided out of an abundance of caution to enable you to be an informed consumer.

More information about California Proposition 65 can be found at [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



# Using Ingress Protection (IP) Ratings

For load cell sealing techniques, Rice Lake Weighing Systems uses the Ingress Protection (IP) rating system. We find the IP numbers and their definitions are suitable for the classification of load cells and only apply IP numbers to such cells. The IP numbers on a load cell further specify the treatment a specific cell can endure in environments more severe than simple washdown.

All load cell cables should be run through conduit to increase protection against moisture ingress

Example: Protection level offered by an IP67 rated product

IP 67

## Protection against solid objects

### First number (in this case 6)

- 0 No protection
- 1 Protected from solid objects up to 50 mm (e.g., accidental touch by hands)
- 2 Protected from solid objects up to 12 mm (e.g., fingers)
- 3 Protected from solid objects more than 2.5 mm (e.g., tools and small wires)
- 4 Protected from solid objects more than 1 mm (e.g., small wires)
- 5 Protected from dust; limited entrance (no harmful deposit)
- 6 Totally protected from dust

## Protection against liquids

### Second number (in this case 7)

- 0 No protection
- 1 Protected from vertically-falling drops of water (e.g., condensation)
- 2 Protected from direct sprays of water up to 15° from vertical
- 3 Protected from direct sprays of water up to 60° from vertical
- 4 Protected from water sprayed from all directions; limited entrance allowed
- 5 Protected from low pressure jets of water from all directions; limited entrance allowed
- 6 Protected from strong jets of water (e.g., for use on ship decks); limited entrance allowed
- 7 Protected from the effects of immersion between 15 cm and 1 m for 30 minutes
- 8 Protected from extended periods of immersion under pressure

## IP Numbers with Hermetically Sealed (HS) or Environmentally Protected (EP) Ratings

| Rating  | Protection  |
|---------|---|
| EP      | Dust proof, not protected from moisture or water  |
| IP65    | Dust proof, protected from splashes and low-pressure jets                                       |
| IP66    | Dust proof, protected from strong water jets  |
| IP67    | Dust proof, protected from temporary immersion in water 1 meter deep for 30 minutes             |
| IP68    | Dust proof, protected from continuous immersion in water under more severe conditions than IP67 |
| IP66/68 | Dust proof, protected from strong water jets and/or constant immersion                          |
| IP69K   | Dust proof, protected from high pressure washing and steam cleaning                             |

CUSTOMER  
ASSISTANCE



# Weigh Module Application



This Weigh Module Application form will help you and your customer choose the best weigh module kit for their application. It has the most commonly asked questions and the back can be used to sketch the application, make notes or draw the bolt pattern needed to mate the legs and mount plates. A copy should be made for your files for future reference.

## CONTACT INFORMATION

Sales Organization \_\_\_\_\_ Sales Person \_\_\_\_\_

Dealer/Customer Number \_\_\_\_\_ Email \_\_\_\_\_

Phone \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

## APPLICATION NOTES

Is the application washdown? ☐ Yes ☐ No ☐ High Pressure ☐ Steam

Ambient temperature that load cells will be exposed to \_\_\_\_\_

List of chemicals that load cells will be exposed to \_\_\_\_\_

Is weighing environment considered explosive, if so please provide class, group and division area is classified as \_\_\_\_\_

Is FM approval required for the load cells? ☐ Yes ☐ No

Is ATEX approval required for the load cells? ☐ Yes ☐ No

Are NTEP Certified load cells required? (Legal for Trade) ☐ Yes ☐ No

Type of vessel being weighed \_\_\_\_\_

☐ Tension ☐ Compression ☐ Vertical ☐ Horizontal

Configuration of vessel? ☐ Round ☐ Square ☐ Rectangle

Number of supports or weigh points? \_\_\_\_\_

Product being weighed \_\_\_\_\_

Desired material of load cell? ☐ Stainless ☐ Alloy steel ☐ Aluminum

Desired material of mount assembly? ☐ Stainless ☐ Alloy steel

Live load of material? \_\_\_\_\_ lbs \_\_\_\_\_ kgs

Dead load of vessel? \_\_\_\_\_ lbs \_\_\_\_\_ kgs

Any mixers or motors that are part of the vessel. If yes, location and size (horsepower) \_\_\_\_\_

Will there be shock loading? ☐ Yes ☐ No If yes, provide calculation or description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

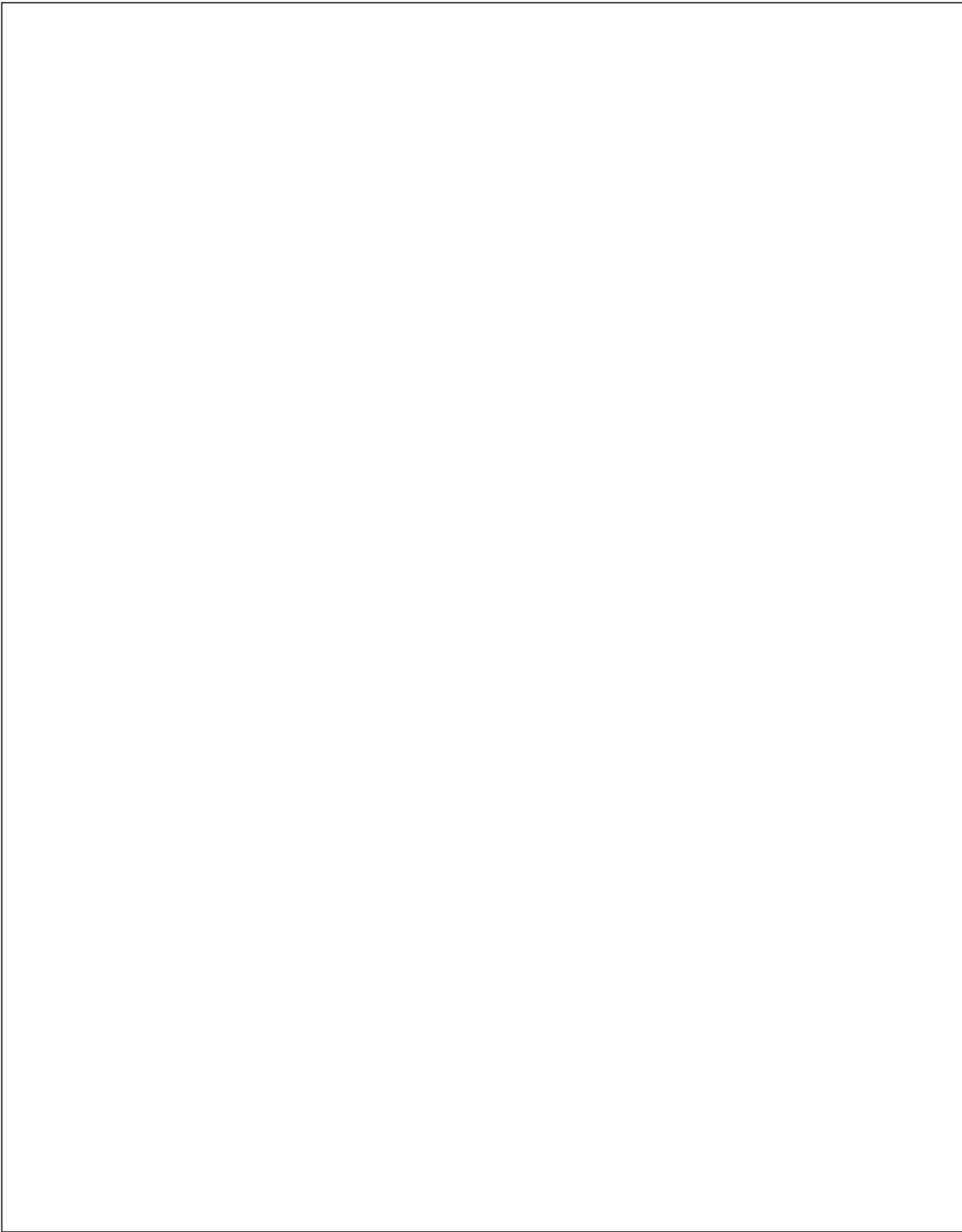
Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Any modifications desired for the weigh module, i.e. top or bottom plate size, bolt hole pattern?  
If so, please provide sketch below:

---



This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

# Survivor Weigh Modules

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*Medium-capacity Weigh Modules*

**RL1855 HE-HS.....35**  
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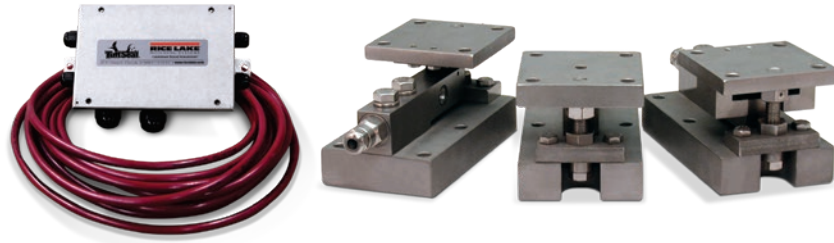
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*Heavy-capacity Weigh Modules*

SURVIVOR  
WEIGH MODULES

Product names, logos, brands and other trademarks featured or referred to within this publication are the property of their respective trademark holders.

# SURVIVOR® Paramounts® HE

Medium-capacity Weigh Module Systems



Picture is a representation of actual product.

SURVIVOR  
WEIGH MODULES

## Order Information

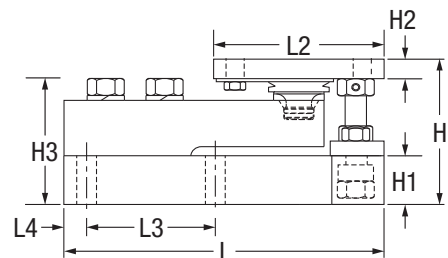
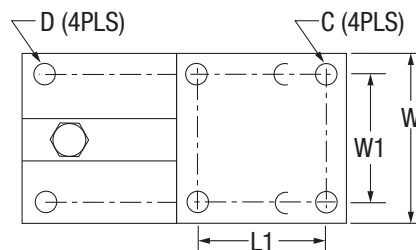
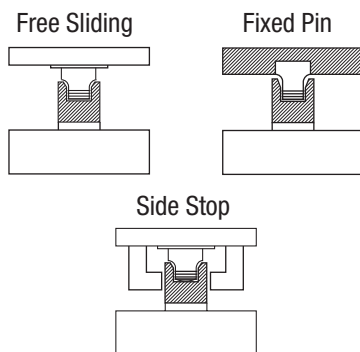
| Load Rating (Per Module)                   | Part # | Price      |
|--|--------|------------|
| <b>NTEP Certified/OIML C3 3-Module Kit</b> |        |            |
| 5 kN                                       | 29883  | \$4,314.00 |
| 10 kN                                      | 29884  | \$4,314.00 |
| 23 kN                                      | 29885  | \$4,314.00 |
| 50 kN                                      | 29886  | \$5,835.00 |
| <b>NTEP Certified/OIML C3 4-Module Kit</b> |        |            |
| 5 kN                                       | 29879  | \$5,734.00 |
| 10 kN                                      | 29880  | \$5,734.00 |
| 23 kN                                      | 29881  | \$5,734.00 |
| 50 kN                                      | 29882  | \$7,378.00 |
| <b>Non-NTEP Certified 3-Module Kit</b>     |        |            |
| 5 kN                                       | 17991  | \$4,200.00 |
| 10 kN                                      | 17992  | \$4,200.00 |
| 23 kN                                      | 17993  | \$4,200.00 |
| 50 kN                                      | 17994  | \$5,460.00 |
| 100 kN                                     | 17995  | \$6,220.00 |
| <b>Non-NTEP Certified 4-Module Kit</b>     |        |            |
| 5 kN                                       | 17998  | \$5,480.00 |
| 10 kN                                      | 17999  | \$5,480.00 |
| 23 kN                                      | 18000  | \$5,480.00 |
| 50 kN                                      | 18001  | \$6,906.00 |
| 100 kN                                     | 18002  | \$8,644.00 |
| *Conduit adapter, 1/2-14 NPT               | 17703  | \$50.00    |

\*Must be factory installed

## Dimensions

| Rated Capacity | C    | D    | H    | H1   | *H2  | **H2 | H3   | L     | L1   | L2   | L3   | L4   | W    | W1   |
|----------------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| kN/in          |      |      |      |      |      |      |      |       |      |      |      |      |      |      |
| 5 to 23        | 0.44 | 0.44 | 3.58 | 1.25 | 0.50 | 0.75 | 3.06 | 7.51  | 3.00 | 4.00 | 3.00 | 0.50 | 4.00 | 3.00 |
| 50             | 0.56 | 0.56 | 4.66 | 1.50 | 0.62 | 1.00 | 4.09 | 9.19  | 3.87 | 5.00 | 3.87 | 0.56 | 5.00 | 3.87 |
| 100            | 0.69 | 0.69 | 6.41 | 2.00 | 0.75 | 1.25 | 5.73 | 11.46 | 4.75 | 6.00 | 4.75 | 0.69 | 6.00 | 4.75 |

\*Side stop and free sliding units \*\*Fixed pin units



## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- One fixed-pin module, one side-stop module, and one or two free-sliding assemblies. Each module is complete with a Flintec SB4 stainless steel hermetically sealed load cell.
- 25 ft of our hostile environment EL147HE SURVIVOR load cell cable

## Standard Features

- Capacities (per module): (5 to 100 kN)
- All stainless steel construction
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Hermetically sealed, stainless steel load cells
- Load cell outputs are mV/V/ohm calibrated to minimizing maintenance costs
- Unique design allows for thermal expansion/contraction
- Low-profile, self-checking design
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique patented blind load hole technology minimizes unwanted side and eccentric loading
- Vessel is free to slide laterally on PTFE-coated surfaces
- Two-year limited warranty

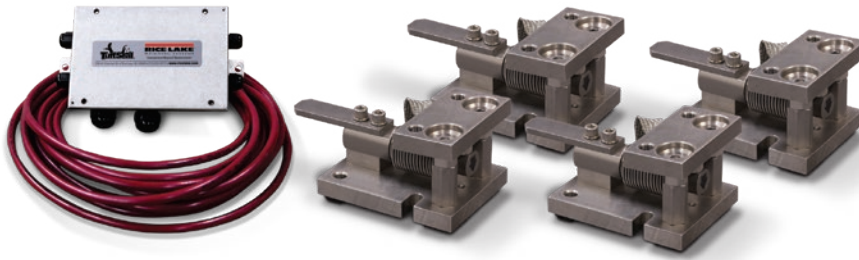
## Applications

- Medium-capacity blenders and tanks
- Batching/blending
- Pharmaceutical processing
- Food processing
- Petroleum refining and batching

## Load Cell Approvals



Except 2.3 kN



Picture is a representation of actual product.

## Order Information

| Load Rating (Per Module)                  | Part # | Price      |
|---|--------|------------|
| <b>Single Module (Includes Load Cell)</b> |        |            |
| 5 kg                                      | 32687  | \$1,000.00 |
| 10 kg                                     | 32688  | \$1,000.00 |
| 20 kg                                     | 32689  | \$1,000.00 |
| 50 kg                                     | 32690  | \$1,000.00 |
| 100 kg                                    | 32691  | \$1,000.00 |
| 200 kg                                    | 32692  | \$1,000.00 |
| 250 kg                                    | 32693  | \$1,000.00 |
| 500 kg                                    | 32974  | \$1,225.00 |
| 1,000 kg                                  | 32973  | \$1,225.00 |
| 2,000 kg                                  | 32972  | \$1,225.00 |
| 5,000 kg                                  | 32971  | \$1,495.00 |
| <b>3-Module Kit</b>                       |        |            |
| 5 kg                                      | 32920  | \$3,215.00 |
| 10 kg                                     | 32921  | \$3,215.00 |
| 20 kg                                     | 32922  | \$3,215.00 |
| 50 kg                                     | 32923  | \$3,215.00 |
| 100 kg                                    | 32924  | \$3,215.00 |
| 200 kg                                    | 32925  | \$3,215.00 |
| 250 kg                                    | 32926  | \$3,215.00 |
| 500 kg                                    | 32980  | \$3,875.00 |
| 1,000 kg                                  | 32981  | \$3,875.00 |
| 2,000 kg                                  | 32982  | \$3,875.00 |
| 5,000 kg                                  | 32983  | \$4,785.00 |
| <b>4-Module Kit</b>                       |        |            |
| 5 kg                                      | 32927  | \$4,250.00 |
| 10 kg                                     | 32928  | \$4,250.00 |
| 20 kg                                     | 32929  | \$4,250.00 |
| 50 kg                                     | 32930  | \$4,250.00 |
| 100 kg                                    | 32931  | \$4,250.00 |
| 200 kg                                    | 32932  | \$4,250.00 |
| 250 kg                                    | 32933  | \$4,250.00 |
| 500 kg                                    | 32984  | \$5,105.00 |
| 1,000 kg                                  | 32985  | \$5,105.00 |
| 2,000 kg                                  | 32986  | \$5,105.00 |
| 5,000 kg                                  | 32987  | \$5,985.00 |

## Dimensions

| Rated Capacity | C    | B          | *H1   | **H2  | L     | L1   | L2    | L3   | L4   | L5   | W     | W1   | W2   | W3   |
|----------------|------|------------|-------|-------|-------|------|-------|------|------|------|-------|------|------|------|
| kg/mm          |      |            |       |       |       |      |       |      |      |      |       |      |      |      |
| 5 to 250       | 12.9 | 1/2-20 UNF | 80.0  | 86.1  | 131.8 | 63.7 | 76.0  | 42.0 | 56.0 | 14.0 | 96.0  | 70.0 | 12.9 | 25.4 |
| 500 to 2,000   | 12.9 | 5/8-18 UNF | 101.6 | 109.4 | 165.0 | 70.0 | 129.5 | 14.9 | 80.0 | 59.9 | 110.0 | 70.0 | 20.0 | 31.7 |
| 5,000          | 20.0 | 3/4-10 UNC | 135.0 | 143.0 | 215.0 | 81.0 | 161.0 | 20.0 | 90.0 | 70.5 | 150.0 | 90.0 | 30.0 | 40.0 |

\* In weighing position \*\* In jacked-up position for load cell shipping or removal

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal-trim junction box
- Three or four RL1700 HE stainless steel compression mounts
- Three or four RL9018SS (5 to 250 kg) or RLHTO (500 to 5,000 kg) stainless steel, hermetically sealed single-ended beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR load cell cable

## Standard Features

- All stainless steel construction
- Hermetically sealed, stainless steel load cells, IP66/68, guaranteed waterproof
- OIML certified load cells from 5 to 5,000 kg
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking with lift-off/tip-over protection and jacking/shipping bolts
- Load cell is isolated from overload in all directions
- Weldless construction retains less residue and allows fast, thorough cleaning
- Two-year limited warranty

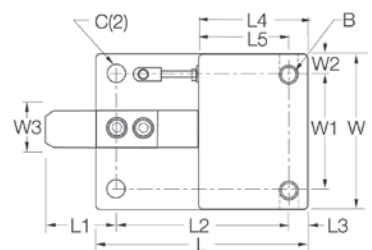
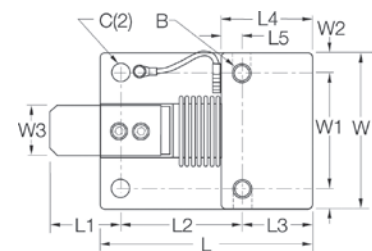
## Applications

- Multi-ingredient micro-batching
- Meat and poultry processing
- Batching/blending
- Dye/ink blending

## Load Cell Approvals



5 kg - 250 kg capacities

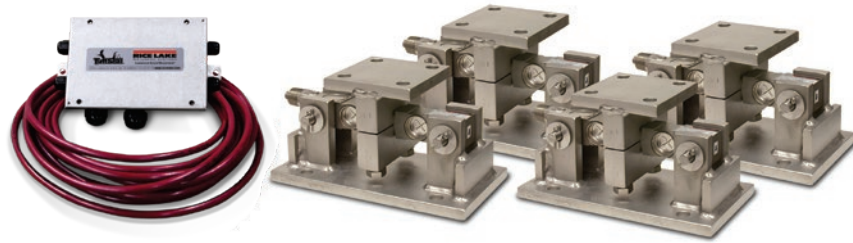


500 kg - 5000 kg capacities



# RL1600 HE

Medium-capacity Weigh Modules



Picture is a representation of actual product.

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL1600 HE stainless steel compression mounts
- Three or four RL75016WHE stainless steel, hermetically sealed double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR load cell cable

## Standard Features

- Capacities (per module): 1,000 to 25,000lb
- All stainless steel construction
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Hermetically sealed IP66/69K protected load cells
- Double-ended shear beam design, center loaded

## Applications

- Medium-capacity tanks, bins and hoppers
- Bulk material management
- Ingredient batching, mixing and blending

## Load Cell Approvals



## Order Information

| Load Rating (Per Module)                          | Part #        | Price      |
|---|---------------|------------|
| <b>Single Module (Does Not Include Load Cell)</b> |               |            |
| 1,000 to 5,000 lb                                 | <b>17813</b>  | \$685.00   |
| 10,000 to 25,000 lb                               | <b>17815</b>  | \$1,345.00 |
| <b>3-Module Kit</b>                               |               |            |
| 1,000 lb  | <b>46723</b>  | \$4,500.00 |
| 1,500 lb  | <b>119673</b> | \$4,500.00 |
| 2,000 lb  | <b>119675</b> | \$4,500.00 |
| 2,500 lb  | <b>46724</b>  | \$4,500.00 |
| 5,000 lb  | <b>46725</b>  | \$4,500.00 |
| 10,000 lb   | <b>46726</b>  | \$6,725.00 |
| 15,000 lb   | <b>46727</b>  | \$6,725.00 |
| 20,000 lb   | <b>84664</b>  | \$6,725.00 |
| 25,000 lb   | <b>46728</b>  | \$6,725.00 |
| <b>4-Module Kit</b>                               |               |            |
| 1,000 lb  | <b>46729</b>  | \$5,865.00 |
| 1,500 lb  | <b>119674</b> | \$5,865.00 |
| 2,000 lb  | <b>119676</b> | \$5,865.00 |
| 2,500 lb  | <b>46730</b>  | \$5,865.00 |
| 5,000 lb  | <b>46731</b>  | \$5,865.00 |
| 10,000 lb   | <b>46732</b>  | \$8,800.00 |
| 15,000 lb   | <b>46733</b>  | \$8,800.00 |
| 20,000 lb   | <b>84665</b>  | \$8,800.00 |
| 25,000 lb   | <b>46734</b>  | \$8,800.00 |
| <b>Dummy Load Cells (Mild Steel)</b>              |               |            |
| 1,000 to 5,000 lb                                 | <b>18236</b>  | \$26.00    |
| 10,000 to 25,000 lb                               | <b>18237</b>  | \$42.00    |

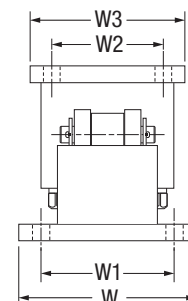
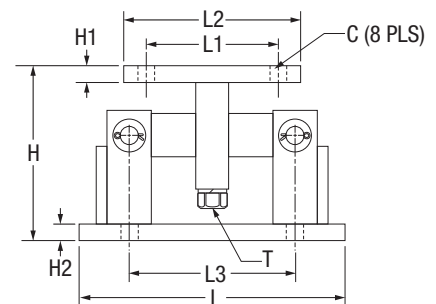
## Shims\*

|                               | Part #        | Price   |
|-------------------------------|---------------|---------|
| <b>1,000 lb to 5,000 lb</b>   |               |         |
| 0.0625                        | <b>150852</b> | \$7.00  |
| 0.125                         | <b>150853</b> | \$12.00 |
| 0.250                         | <b>150854</b> | \$18.00 |
| <b>10,000 lb to 25,000 lb</b> |               |         |
| 0.0625                        | <b>150855</b> | \$19.00 |
| 0.125                         | <b>150856</b> | \$30.00 |
| 0.250                         | <b>150857</b> | \$65.00 |
| <b>50,000 lb to 75,000 lb</b> |               |         |
| 0.0625                        | <b>150858</b> | \$27.00 |
| 0.125                         | <b>150859</b> | \$38.00 |
| 0.250                         | <b>150861</b> | \$79.00 |

\*Shims match the top plate

## Dimensions

| Rated Capacity   | C    | H    | H1   | H2   | L     | L1   | L2   | L3   | T          | W    | W1   | W2   | W3   |
|------------------|------|------|------|------|-------|------|------|------|------------|------|------|------|------|
| lb/in            |      |      |      |      |       |      |      |      |            |      |      |      |      |
| 1,000 to 5,000   | 0.56 | 5.00 | 0.50 | 0.50 | 9.25  | 2.75 | 4.00 | 6.25 | 1/2-13 UNC | 5.00 | 3.75 | 2.75 | 4.00 |
| 10,000 to 25,000 | 0.78 | 7.87 | 0.75 | 0.75 | 12.00 | 6.00 | 8.00 | 7.50 | 3/4-10 UNC | 8.00 | 6.00 | 6.00 | 8.00 |



# RL1855 HE-HS

Medium-capacity Weigh Modules



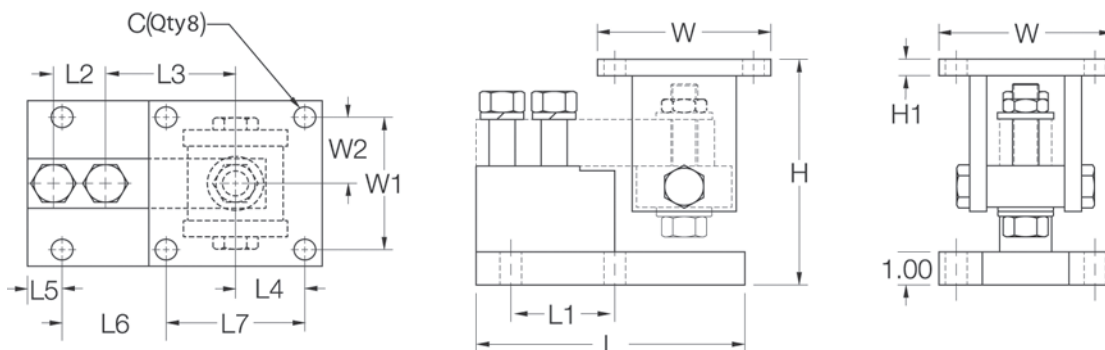
Picture is a representation of actual product.

## Order Information

| Load Rating (Per Module)                   | Part # | Price      |
|--|--------|------------|
| <b>Single Modules (Includes Load Cell)</b> |        |            |
| 1,000 lb                                   | 170857 | \$1,065.00 |
| 2,500 lb                                   | 170858 | \$1,065.00 |
| 4,000 lb                                   | 170859 | \$1,065.00 |
| 5,000 lb                                   | 170860 | \$1,150.00 |
| 10,000 lb                                  | 170861 | \$1,150.00 |
| <b>3-Module Kit</b>                        |        |            |
| 1,000 lb                                   | 170862 | \$3,354.00 |
| 2,500 lb                                   | 170863 | \$3,354.00 |
| 4,000 lb                                   | 170864 | \$3,354.00 |
| 5,000 lb                                   | 170865 | \$3,615.00 |
| 10,000 lb                                  | 170866 | \$3,615.00 |
| <b>4-Module Kit</b>                        |        |            |
| 1,000 lb                                   | 170867 | \$4,360.00 |
| 2,500 lb                                   | 170868 | \$4,360.00 |
| 4,000 lb                                   | 170869 | \$4,360.00 |
| 5,000 lb                                   | 170870 | \$4,765.00 |
| 10,000 lb                                  | 170871 | \$4,765.00 |

## Dimensions

| Rated Capacity C | C    | H min/<br>max | H1   | L    | L1   | L2   | L3   | L4   | L5   | L6   | L7   | W    | W1   | W2   |
|------------------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in            |      |               |      |      |      |      |      |      |      |      |      |      |      |      |
| 1,000 to 4,000   | 0.62 | 5.25/5.56     | 0.50 | 6.00 | 2.00 | 1.00 | 3.00 | 2.00 | 0.68 | 1.94 | 4.00 | 5.00 | 4.00 | 2.00 |
| 5,000 to 10,000  | 0.62 | 6.12/6.62     | 0.50 | 7.75 | 3.00 | 1.50 | 3.75 | 2.00 | 1.03 | 2.97 | 4.00 | 5.00 | 4.00 | 2.00 |



## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL1855 HE stainless steel mounts
- Three or four RL32218S-HE hermetically sealed NTEP Certified load cells
- 25 ft of hostile environment EL147HE SURVIVOR load cell cable

## Standard Features

- All stainless steel construction
- Hermetically sealed, stainless steel IP69K
- NTEP Certified load cells, 5,000 d Class III multiple load cell
- Self-checking design with lift off/tip off protection
- Two-year limited warranty

## Applications

- Medium-capacity hoppers, bins and tanks
- Batching/blending

## Load Cell Approvals



SURVIVOR  
WEIGH MODULES

# RL2100 HE

Heavy-capacity Weigh Modules



Picture is a representation of actual product.

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal-trim junction box
- Three or four RL2100 HE stainless steel compression mounts
- Three or four RL75060S or RL75058S-LP stainless steel, welded seal double-ended beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR load cell cable

## Standard Features

- All stainless steel construction
- Welded seal, stainless steel load cells, IP67, guaranteed waterproof
- NTEP Certified load cells, 5,000 d, Class IIIL/10,000 d, Class IIIL multiple cell
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking design with lift-off/tip-over protection
- Two-year limited

## Applications

- Heavy-capacity tanks, blenders, reactors and bulk inventory management
- Petroleum refining process control
- Blending/batching

## Load Cell Approvals

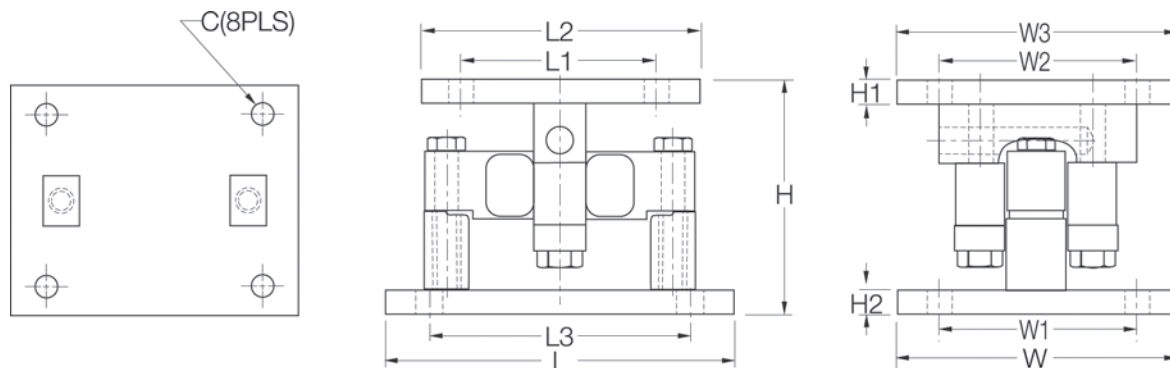


## Order Information

| Load Rating (Per Module)                  | Part # | Price       |
|---|--------|-------------|
| <b>Single Module (Includes Load Cell)</b> |        |             |
| 20,000 lb                                 | 32951  | \$1,785.00  |
| 25,000 lb                                 | 65541  | \$1,785.00  |
| 35,000 lb                                 | 32952  | \$2,860.00  |
| 50,000 lb                                 | 32953  | \$2,860.00  |
| 60,000 lb                                 | 32954  | \$2,860.00  |
| 75,000 lb                                 | 32955  | \$2,860.00  |
| 100,000 lb                                | 32956  | \$4,895.00  |
| <b>3-Module Kit</b>                       |        |             |
| 20,000 lb                                 | 32970  | \$5,608.00  |
| 25,000 lb                                 | 65984  | \$5,608.00  |
| 35,000 lb                                 | 32969  | \$8,861.00  |
| 50,000 lb                                 | 32968  | \$8,861.00  |
| 60,000 lb                                 | 32967  | \$8,861.00  |
| 75,000 lb                                 | 32966  | \$8,861.00  |
| 100,000 lb                                | 32965  | \$14,583.00 |
| <b>4-Module Kit</b>                       |        |             |
| 20,000 lb                                 | 32964  | \$7,404.00  |
| 25,000 lb                                 | 65983  | \$7,404.00  |
| 35,000 lb                                 | 32963  | \$11,382.00 |
| 50,000 lb                                 | 32962  | \$11,382.00 |
| 60,000 lb                                 | 32961  | \$11,382.00 |
| 75,000 lb                                 | 32960  | \$11,382.00 |
| 100,000 lb                                | 32959  | \$19,362.00 |

## Dimensions

| Rated Capacity    | C    | H    | H1   | H2   | L     | L1   | L2   | L3    | W     | W1   | W2   | W3   |
|-------------------|------|------|------|------|-------|------|------|-------|-------|------|------|------|
| lb/in             |      |      |      |      |       |      |      |       |       |      |      |      |
| 20,000 to 25,000  | 0.78 | 6.85 | 0.75 | 0.75 | 10.00 | 6.00 | 8.00 | 7.50  | 8.00  | 6.00 | 6.00 | 8.00 |
| 35,000 to 100,000 | 1.13 | 9.42 | 1.00 | 1.00 | 14.00 | 6.50 | 9.00 | 11.50 | 10.00 | 7.50 | 6.50 | 9.00 |



# Weigh Modules

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| <b>RL2200 Series</b> .....  | <b>62</b> |  |           |
| <i>Tank, Hopper and Vessel Weighing Assembly</i>  |           |  |           |
| <b>RLC</b> .....  | <b>63</b> |  |           |
| <i>Stainless Steel Weigh Modules, VPG Reverse</i>   |           |  |           |
| <b>220 Universal Mount</b> .....  | <b>64</b> |  |           |
| <i>Stainless Steel Weigh Modules, VPG Teda-Huntleigh</i>                                      |           |  |           |
| <b>EZ Mount 1 with RL72020</b> .....  | <b>66</b> |  |           |
| <i>Mild Steel Weigh Modules, Rice Lake Weighing Systems</i>                                   |           |  |           |
| <b>EZ Mount 1 SS with RL72020SS</b> .....   | <b>68</b> |  |           |
| <i>Stainless Steel Weigh Modules, Rice Lake Weighing Systems</i>                              |           |  |           |
| <b>EZ Mount 1 with Painted RL72020P</b> .....   | <b>70</b> |  |           |
| <i>Rice Lake Weighing Systems</i>   |           |  |           |

Product names, logos, brands and other trademarks featured or referred to within this publication are the property of their respective trademark holders.



Picture is a representation of actual product.

#### Load Cell Approvals



Module with  
RL20000I S-beam load cell

#### Complete Kit Includes

- Three or four ITCM assemblies with RL20000I NTEP Certified S-beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

#### Standard Features

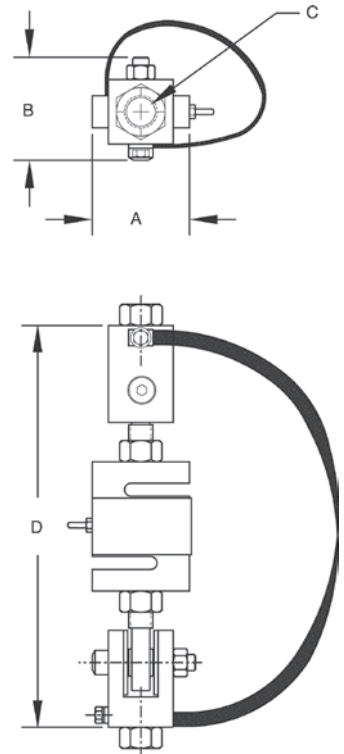
- Capacities (per module): 100 to 20,000 lb
- Clevis mounts with nylon insulating washers
- 20,000 lb ITCM rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies
- Zinc-plated clevis assemblies
- 20,000 lb capacity is not electrically isolated

#### Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

#### Load Rating Dimensions Per Module

| Load Cell Capacity<br>lb/in | A    | B    | C                                      | D           | Single Module           | Price                            | 3-Module Kit            | Price                                  | 4-Module Kit            | Price                                  |
|-----------------------------|------|------|--|-------------|-------------------------|----------------------------------|-------------------------|--|-------------------------|--|
| 100                         | 2.00 | 1.81 | 3/8-16 UNC<br>1/2-13 UNC               | 7.00 (ref)  | 17851<br>17831          | \$566.00<br>\$566.00             | 18003<br>18004          | \$1,995.00<br>\$1,995.00               | 18027<br>18028          | \$2,573.00<br>\$2,573.00               |
| 150                         | 2.00 | 1.81 | 3/8-16 UNC<br>1/2-13 UNC               | 7.00 (ref)  | 30337<br>30336          | \$566.00<br>\$566.00             | 30357<br>30358          | \$1,995.00<br>\$1,995.00               | 30359<br>30360          | \$2,573.00<br>\$2,573.00               |
| 200                         | 2.00 | 1.81 | 3/8-16 UNC<br>1/2-13 UNC               | 7.00 (ref)  | 30335<br>30338          | \$566.00<br>\$566.00             | 30361<br>30362          | \$1,995.00<br>\$1,995.00               | 30363<br>30364          | \$2,573.00<br>\$2,573.00               |
| 250                         | 2.00 | 1.81 | 3/8-16 UNC<br>1/2-13 UNC               | 7.00 (ref)  | 17852<br>17832          | \$566.00<br>\$566.00             | 18005<br>18006          | \$1,995.00<br>\$1,995.00               | 18029<br>18030          | \$2,573.00<br>\$2,573.00               |
| 500                         | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 17853<br>17858<br>17833 | \$619.00<br>\$619.00<br>\$619.00 | 18007<br>18008<br>18009 | \$2,138.00<br>\$2,138.00<br>\$2,138.00 | 18031<br>18032<br>18033 | \$2,762.00<br>\$2,762.00<br>\$2,762.00 |
| 750                         | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 17854<br>17859<br>17834 | \$619.00<br>\$619.00<br>\$619.00 | 18010<br>18011<br>18012 | \$2,138.00<br>\$2,138.00<br>\$2,138.00 | 18034<br>18035<br>18036 | \$2,762.00<br>\$2,762.00<br>\$2,762.00 |
| 1,000                       | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 17855<br>17860<br>17835 | \$619.00<br>\$619.00<br>\$619.00 | 18013<br>18014<br>18015 | \$2,138.00<br>\$2,138.00<br>\$2,138.00 | 18037<br>18038<br>18039 | \$2,762.00<br>\$2,762.00<br>\$2,762.00 |
| 1,500                       | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 17856<br>17861<br>17836 | \$619.00<br>\$609.00<br>\$609.00 | 18016<br>18017<br>18018 | \$2,138.00<br>\$2,138.00<br>\$2,138.00 | 18040<br>18041<br>18042 | \$2,762.00<br>\$2,762.00<br>\$2,762.00 |
| 2,000                       | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 17857<br>17862<br>17837 | \$609.00<br>\$619.00<br>\$619.00 | 18019<br>18020<br>18021 | \$2,138.00<br>\$2,138.00<br>\$2,138.00 | 18043<br>18044<br>18045 | \$2,762.00<br>\$2,762.00<br>\$2,762.00 |
| 2,500                       | 2.68 | 2.68 | 5/8-11 UNC<br>3/4-10 UNC               | 9.50 (ref)  | 17863<br>17838          | \$619.00<br>\$619.00             | 18022<br>18023          | \$2,138.00<br>\$2,138.00               | 18046<br>18047          | \$2,762.00<br>\$2,762.00               |
| 3,000                       | 3.37 | 3.37 | 3/4-10 UNC                             | 10.50 (ref) | 30339                   | \$646.00                         | 30365                   | \$2,229.00                             | 30366                   | \$2,873.00                             |
| 5,000                       | 3.37 | 3.37 | 3/4-10 UNC<br>1-8 UNC                  | 12.25 (ref) | 17864<br>17839          | \$842.00<br>\$842.00             | 18024<br>18025          | \$2,773.00<br>\$2,773.00               | 18048<br>18049          | \$3,657.00<br>\$3,657.00               |
| 10,000                      | 3.37 | 3.37 | 1-8 UNC                                | 12.25 (ref) | 17840                   | \$842.00                         | 18026                   | \$2,773.00                             | 18050                   | \$3,657.00                             |
| 15,000                      | 4.00 | 4.12 | 1 1/4-7 UNC                            | 18.00 (ref) | 17960                   | \$1,756.00                       | 30353                   | \$5,642.00                             | 30354                   | \$7,406.00                             |
| 20,000                      | 5.00 | 4.12 | 1 1/2-6 UNC                            | 20.00 (ref) | 17961                   | \$2,064.00                       | 30355                   | \$5,642.00                             | 30356                   | \$8,630.00                             |







Picture is a representation of actual product.

### Load Cell Approvals



Module with  
RL20000ST S-beam load cell

### Complete Kit Includes

- Three or four ITCM assemblies with RL20000ST NTEP Certified S-beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

### Standard Features

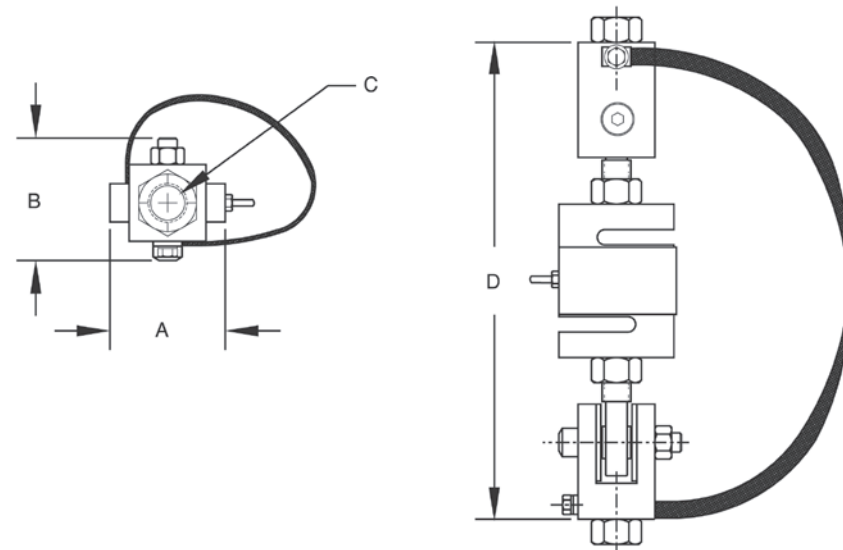
- Capacities (per module): 100 to 5,000 lb
- Clevis mounts with nylon insulating washers
- PTFE-lined rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies

### Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

### Load Rating Dimensions Per Module

| Load Cell Capacity<br>lb/in | A    | B    | C                        | D           | Single Module  | Price                | 3-Module Kit   | Price                    | 4-Module Kit   | Price                    |
|-----------------------------|------|------|--------------------------|-------------|----------------|----------------------|----------------|--------------------------|----------------|--------------------------|
| 100                         | 2.00 | 1.81 | 3/8-16 UNC<br>1/2-13 UNC | 7.00 (ref)  | 46765<br>46766 | \$892.00<br>\$892.00 | 46735<br>46736 | \$2,809.00<br>\$2,809.00 | 46751<br>46752 | \$3,598.00<br>\$3,598.00 |
| 250                         | 2.00 | 1.81 | 3/8-16 UNC<br>1/2-13 UNC | 7.00 (ref)  | 46767<br>46768 | \$892.00<br>\$892.00 | 46737<br>46738 | \$2,809.00<br>\$2,809.00 | 46753<br>46754 | \$3,598.00<br>\$3,598.00 |
| 500                         | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC | 9.50 (ref)  | 46769<br>46770 | \$892.00<br>\$892.00 | 46739<br>46740 | \$2,809.00<br>\$2,809.00 | 46755<br>46756 | \$3,598.00<br>\$3,598.00 |
| 750                         | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC | 9.50 (ref)  | 46771<br>46772 | \$892.00<br>\$892.00 | 46741<br>46742 | \$2,809.00<br>\$2,809.00 | 46757<br>46758 | \$3,598.00<br>\$3,598.00 |
| 1,000                       | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC | 9.50 (ref)  | 46773<br>46774 | \$892.00<br>\$892.00 | 46743<br>46744 | \$2,809.00<br>\$2,809.00 | 46759<br>46760 | \$3,598.00<br>\$3,598.00 |
| 2,500                       | 2.68 | 2.68 | 5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 46775<br>46776 | \$892.00<br>\$892.00 | 46745<br>46746 | \$2,809.00<br>\$2,809.00 | 46761<br>46762 | \$3,598.00<br>\$3,598.00 |
| 3,000                       | 3.37 | 3.37 | 3/4-10 UNC               | 10.75 (ref) | 46777          | \$962.00             | 46747          | \$3,105.00               | 46763          | \$3,890.00               |
| 5,000                       | 3.37 | 3.37 | 3/4-10 UNC               | 12.00 (ref) | 46778          | \$1,651.00           | 46748          | \$5,103.00               | 46764          | \$6,608.00               |





# ITCM HE

Stainless Steel, Welded Seal, NTEP Certified Isolated Tension Cell Modules



Picture is a representation of actual product.

## Load Cell Approvals



Module with  
RL20001HE S-beam load cell

## Complete Kit Includes

- Three or four ITCM assemblies with RL20001HE stainless steel, welded seal
- NTEP Certified S-beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

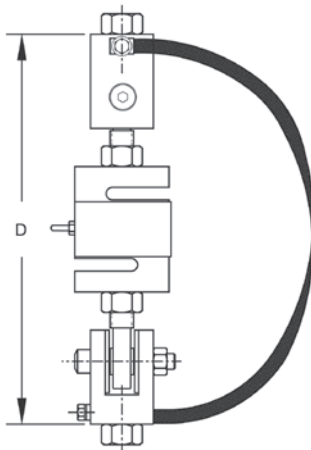
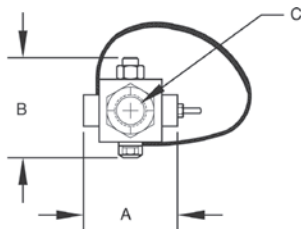
- Capacities (per module): 500 to 5,000 lb
- Clevis mounts with nylon insulating washers
- PTFE-lined rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies

## Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

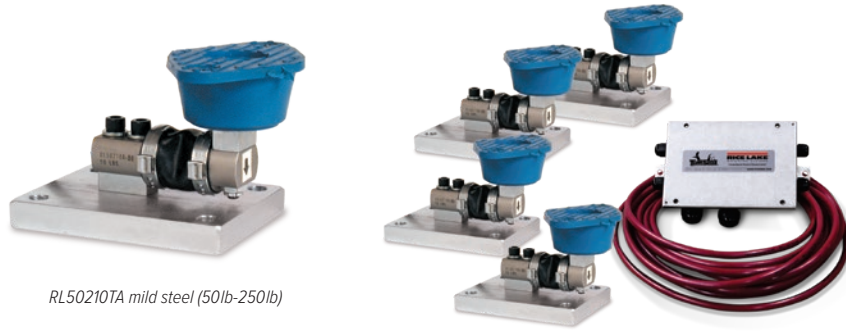
## Load Rating Dimensions Per Module

| Load Cell Capacity | A    | B    | C                                      | D           | Single Module | Price      | 3-Module Kit | Price      | 4-Module Kit | Price      |
|--------------------|------|------|--|-------------|---------------|------------|--------------|------------|--------------|------------|
| lb/in              |      |      |  |             |               |            |              |            |              |            |
| 500                | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 46599         | \$1,618.00 | 46561        | \$4,702.00 | 46580        | \$6,269.00 |
|                    |      |      |  |             | 46600         | \$1,618.00 | 46562        | \$4,702.00 | 46581        | \$6,269.00 |
|                    |      |      |  |             | 46601         | \$1,618.00 | 46563        | \$4,702.00 | 46582        | \$6,269.00 |
| 750                | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 46602         | \$1,618.00 | 46564        | \$4,702.00 | 46583        | \$6,269.00 |
|                    |      |      |  |             | 46603         | \$1,618.00 | 46565        | \$4,702.00 | 46584        | \$6,269.00 |
|                    |      |      |  |             | 46604         | \$1,618.00 | 46566        | \$4,702.00 | 46585        | \$6,269.00 |
| 1,000              | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 46605         | \$1,618.00 | 46567        | \$4,702.00 | 46586        | \$6,269.00 |
|                    |      |      |  |             | 46606         | \$1,618.00 | 46568        | \$4,702.00 | 46587        | \$6,269.00 |
|                    |      |      |  |             | 46607         | \$1,618.00 | 46569        | \$4,702.00 | 46588        | \$6,269.00 |
| 1,500              | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 46608         | \$1,618.00 | 46570        | \$4,702.00 | 46589        | \$6,269.00 |
|                    |      |      |  |             | 46609         | \$1,618.00 | 46571        | \$4,702.00 | 46590        | \$6,269.00 |
|                    |      |      |  |             | 46610         | \$1,618.00 | 46572        | \$4,702.00 | 46591        | \$6,269.00 |
| 2,000              | 2.68 | 2.68 | 1/2-13 UNC<br>5/8-11 UNC<br>3/4-10 UNC | 9.50 (ref)  | 46611         | \$1,618.00 | 46573        | \$4,702.00 | 46592        | \$6,269.00 |
|                    |      |      |  |             | 46612         | \$1,618.00 | 46574        | \$4,702.00 | 46593        | \$6,269.00 |
|                    |      |      |  |             | 46613         | \$1,618.00 | 46575        | \$4,702.00 | 46594        | \$6,269.00 |
| 2,500              | 2.68 | 2.68 | 5/8-11 UNC<br>3/4-10 UNC               | 9.50 (ref)  | 46614         | \$1,618.00 | 46576        | \$4,702.00 | 46595        | \$6,269.00 |
|                    |      |      |  |             | 46615         | \$1,618.00 | 46577        | \$4,702.00 | 46596        | \$6,269.00 |
| 3,000              | 3.37 | 3.37 | 3/4-10 UNC                             | 10.00 (ref) | 46616         | \$1,618.00 | 46578        | \$4,702.00 | 46597        | \$6,269.00 |
| 5,000              | 3.37 | 3.37 | 3/4-10 UNC                             | 12.62 (ref) | 46617         | \$2,399.00 | 46579        | \$7,042.00 | 46598        | \$9,338.00 |



# RL50210TA

## Mini Tank Weighing Module



RL50210TA mild steel (50lb-250lb)



Picture is a representation of actual product.

### Load Cell Approvals



NTEP Certified 1,000lb mild steel load cell shown.

### Complete Kit Includes

- Three or four RL50210 cantilever beam load cells (50 to 250 lb mild steel)
- Three or four RL30000 single-ended beam load cells (500 lb mild steel)
- Three or four RL32018 single-ended beam load cells (1,000 to 2,500 lb mild steel)
- Three or four RL39123 single-ended beam load cells (500 lb stainless steel)
- Three or four RL32018S single-ended beam load cells (1,000 to 2,500 lb stainless steel)
- Three or four neoprene isolation/compression mounts
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

### Standard Features

- NTEP Certified load cells
- Zinc plated mild steel or stainless steel assemblies
- Weighing ranges from 50 to 2,500 lb per module
- Neoprene isolation mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop provides durability

### Optional Features

- Stainless steel modules available in 500 lb capacities with RL39123 stainless steel load cells

### Applications

- Small tanks and hoppers
- Conveyor/in-motion weighing
- Small platform scales where minor shock loading may occur

### Order Information

| Load Rating (Per Module)                             | Part # | Price      |
|--|--------|------------|
| <b>Mild Steel Single Module (Includes Load Cell)</b> |        |            |
| 50 lb  | 17844  | \$470.00   |
| 100 lb   | 17845  | \$470.00   |
| 150 lb   | 17846  | \$470.00   |
| 250 lb   | 17847  | \$470.00   |
| 500 lb   | 17848  | \$625.00   |
| 1,000 lb   | 17849  | \$625.00   |
| 2,000 lb   | 17948  | \$625.00   |
| 2,500 lb   | 17949  | \$625.00   |
| <b>Mild Steel 3-Module Kit</b>                       |        |            |
| 50 lb  | 18051  | \$1,645.00 |
| 100 lb   | 18052  | \$1,645.00 |
| 150 lb   | 18053  | \$1,645.00 |
| 250 lb   | 18054  | \$1,645.00 |
| 500 lb   | 18055  | \$2,135.00 |
| 1,000 lb   | 18056  | \$2,135.00 |
| 2,000 lb   | 30398  | \$2,135.00 |
| 2,500 lb   | 30396  | \$2,135.00 |
| <b>Mild Steel 4-Module Kit</b>                       |        |            |
| 50 lb  | 18057  | \$2,115.00 |
| 100 lb   | 18058  | \$2,115.00 |
| 150 lb   | 18059  | \$2,115.00 |
| 250 lb   | 18060  | \$2,115.00 |
| 500 lb   | 18061  | \$2,700.00 |
| 1,000 lb   | 18062  | \$2,700.00 |
| 2,000 lb   | 30397  | \$2,700.00 |
| 2,500 lb   | 30395  | \$2,700.00 |

# RL50210TA

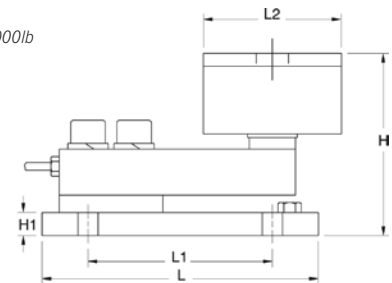
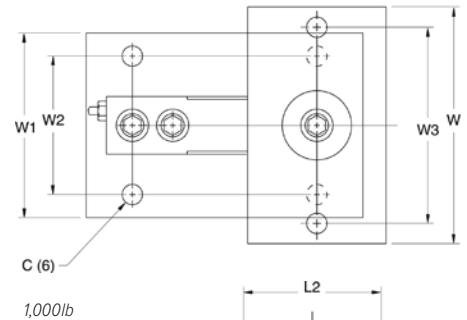
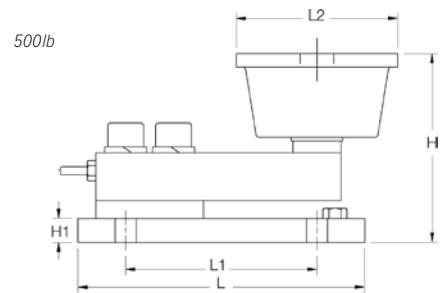
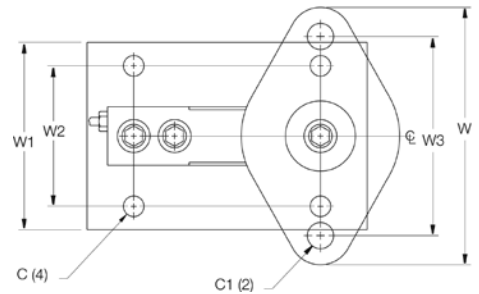
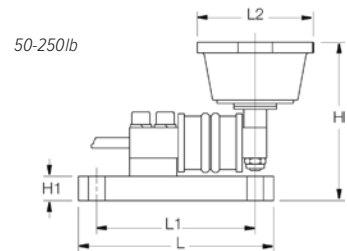
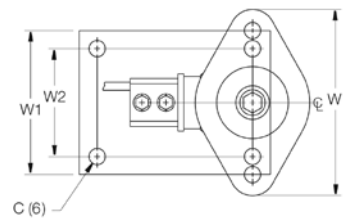
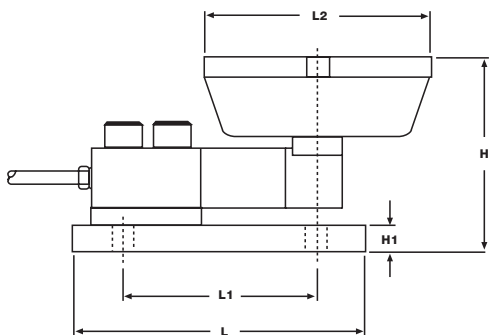
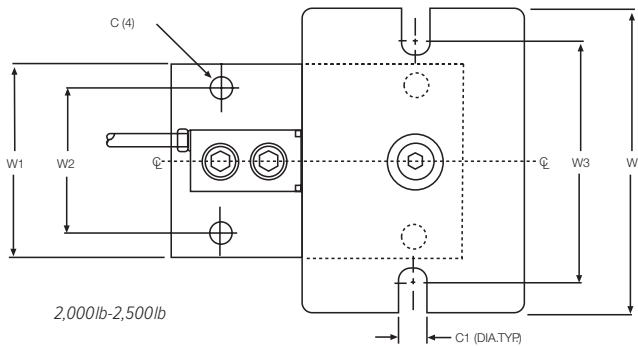
Mini Tank Weighing Module

## Order Information

| Load Rating (Per Module)                           | Part # | Price      |
|--|--------|------------|
| Stainless Steel Single Module (Includes Load Cell) |        |            |
| 500 lb   | 17954  | \$735.00   |
| 1,000 lb   | 17955  | \$675.00   |
| 2,000 lb   | 17956  | \$675.00   |
| 2,500 lb   | 17957  | \$675.00   |
| Stainless Steel 3-Module Kit                       |        |            |
| 500 lb   | 30394  | \$3,435.00 |
| 1,000 lb   | 30404  | \$2,375.00 |
| 2,000 lb   | 30402  | \$2,375.00 |
| 2,500 lb   | 30400  | \$2,375.00 |
| Stainless Steel 4-Module Kit                       |        |            |
| 500 lb   | 30393  | \$3,190.00 |
| 1,000 lb   | 30403  | \$2,935.00 |
| 2,000 lb   | 30401  | \$2,935.00 |
| 2,500 lb   | 30399  | \$2,935.00 |

## Dimensions

| Rated Capacity | C    | C1   | H    | H1   | L    | L1   | L2   | W    | W1   | W2   | W3   |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |      |
| 50 to 250      | 0.34 | -    | 3.13 | 0.50 | 4.00 | 3.25 | 2.38 | 3.88 | 3.00 | 2.25 | -    |
| 500            | 0.44 | 0.56 | 3.88 | 0.50 | 6.00 | 4.00 | 3.38 | 5.50 | 4.00 | 3.00 | 4.13 |
| 1,000          | 0.44 | -    | 4.00 | 0.50 | 6.00 | 4.00 | 3.00 | 5.13 | 4.00 | 3.00 | 4.13 |
| 2,000 to 2,500 | 0.44 | 0.56 | 4.00 | 0.50 | 6.00 | 4.00 | 4.62 | 6.25 | 4.00 | 3.00 | 5.00 |



WEIGH MODULES



Module with VPG Sensortronics 65023 single-ended shear beam load cell; capacities (per module): NTEP Certified 1,000lb load cell shown.

65059 mild steel (50lb-250lb)

Picture is a representation of actual product.

#### Load Cell Approvals



#### Order Information

| Load Rating (Per Module)                             | Part # | Price      |
|--|--------|------------|
| <b>Mild Steel Single Module (Includes Load Cell)</b> |        |            |
| 50 lb  | 17825  | \$470.00   |
| 100 lb   | 17826  | \$470.00   |
| 150 lb   | 17827  | \$470.00   |
| 250 lb   | 17828  | \$470.00   |
| 500 lb   | 17829  | \$625.00   |
| 1,000 lb   | 17830  | \$625.00   |
| 2,000 lb   | 17946  | \$625.00   |
| 2,500 lb   | 17947  | \$625.00   |
| <b>Mild Steel 3-Module Kit</b>                       |        |            |
| 50 lb  | 18063  | \$1,645.00 |
| 100 lb   | 18064  | \$1,645.00 |
| 150 lb   | 18065  | \$1,645.00 |
| 250 lb   | 18066  | \$1,645.00 |
| 500 lb   | 18067  | \$2,135.00 |
| 1,000 lb   | 18068  | \$2,135.00 |
| 2,000 lb   | 30413  | \$2,088.00 |
| 2,500 lb   | 30412  | \$2,135.00 |
| <b>Mild Steel 4-Module Kit</b>                       |        |            |
| 50 lb  | 18069  | \$2,115.00 |
| 100 lb   | 18070  | \$2,115.00 |
| 150 lb   | 18071  | \$2,115.00 |
| 250 lb   | 18072  | \$2,115.00 |
| 500 lb   | 18073  | \$2,700.00 |
| 1,000 lb   | 18074  | \$2,645.00 |
| 2,000 lb   | 30414  | \$2,700.00 |
| 2,500 lb   | 30411  | \$2,700.00 |

#### Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four 60040 cantilever beam load cells (50 to 250 lb mild steel models)
- Three or four 65023-500-0107 single-ended beam load cells (500 lb mild steel models)
- Three or four 65023A1K-5107 single-ended beam load cells (1,000 to 2,500 lb mild steel models)
- Three or four 65023-500-0113 single-ended beam load cells (500 lb stainless steel model)
- Three or four 65023S1K-5113 single-ended beam load cells (1,000 to 2,500 lb stainless steel models)
- Three or four neoprene isolation/compression mounts
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

#### Standard Features

- Zinc plated, mild steel modules
- Lower weighing ranges from 50 to 500 lb per module
- Environmentally protected load cells
- Neoprene isolation/compression mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop for 500 lb modules provides durability

#### Applications

- Small tanks and hoppers
- Conveyor/in-motion weighing
- Small platform scales where minor shock loading may occur

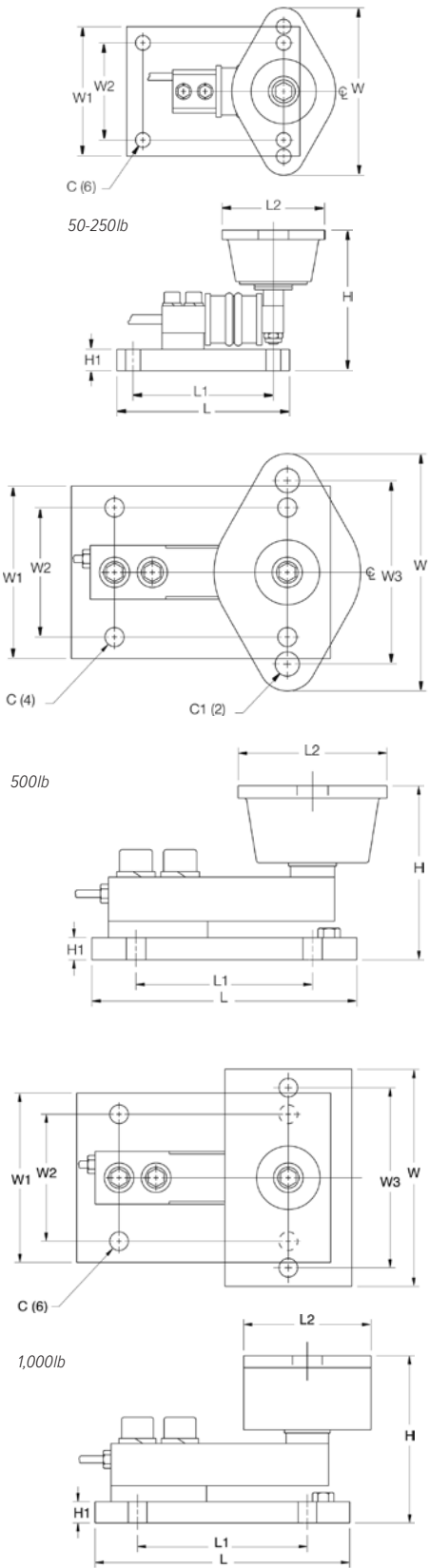
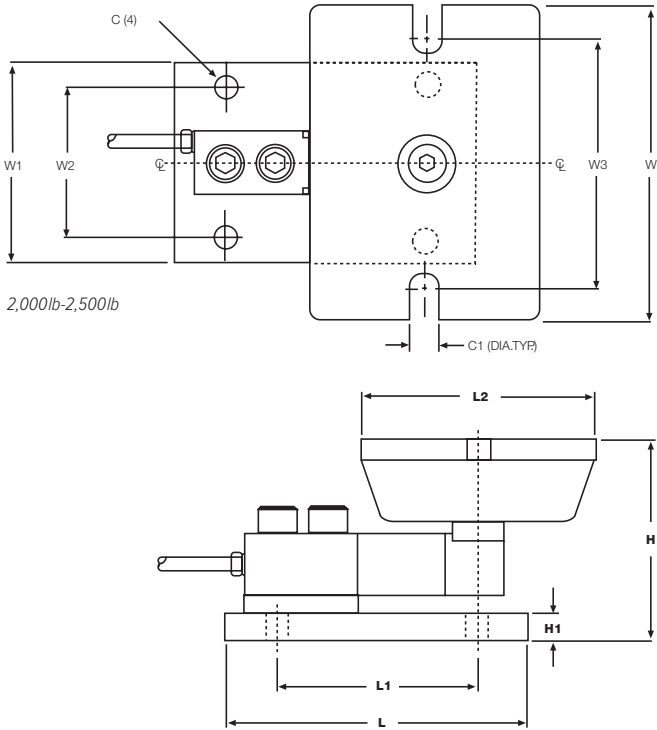
Order Information

| Load Rating (Per Module)                           | Part # | Price      |
|--|--------|------------|
| Stainless Steel Single Module (Includes Load Cell) |        |            |
| 500 lb   | 17950  | \$735.00   |
| 1,000 lb   | 17951  | \$735.00   |
| 2,000 lb   | 17952  | \$735.00   |
| 2,500 lb   | 17953  | \$735.00   |
| Stainless Steel 3-Module Kit                       |        |            |
| 500 lb   | 30392  | \$2,435.00 |
| 1,000 lb   | 30410  | \$2,435.00 |
| 2,000 lb   | 30408  | \$2,435.00 |
| 2,500 lb   | 30406  | \$2,435.00 |
| Stainless Steel 4-Module Kit                       |        |            |
| 500 lb   | 30391  | \$3,190.00 |
| 1,000 lb   | 30409  | \$3,190.00 |
| 2,000 lb   | 30407  | \$3,190.00 |
| 2,500 lb   | 30405  | \$3,190.00 |

Dimensions

| Rated Capacity | C    | C1   | H    | H1   | L    | L1   | L2   | W    | W1   | W2   | W3   |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |      |
| 50 to 250      | 0.34 | -    | 3.13 | 0.50 | 4.00 | 3.25 | 2.38 | 3.88 | 3.00 | 2.25 | -    |
| 500            | 0.44 | 0.56 | 3.88 | 0.50 | 6.00 | 4.00 | 3.38 | 5.50 | 4.00 | 3.00 | 4.13 |
| 1,000          | 0.44 | -    | 4.00 | 0.50 | 6.00 | 4.00 | 3.00 | 5.13 | 4.00 | 3.00 | 4.13 |
| 2,000 to 2,500 | 0.44 | 0.56 | 4.00 | 0.50 | 6.00 | 4.00 | 4.62 | 6.25 | 4.00 | 3.00 | 5.00 |

WEIGH MODULES



# RL50219SS-TA

Mini Tank Weighing Module, Stainless Steel



RL50219SS-TA stainless (50lb-250lb)

Picture is a representation of actual product.

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL50219SS cantilever beam load cells (50 to 250 lb models)
- Three or four stainless steel single-ended beam load cells (500 lb models)
- Three or four neoprene isolation/compression mounts
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Stainless steel modules
- Lower weighing ranges from 50 to 500 lb per module
- Environmentally protected load cells
- Neoprene isolation/compression mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop for 500 lb modules provides durability

## Applications

- Small tanks and hoppers
- Conveyor/in-motion weighing
- Small platform scales where minor shock loading may occur

## Order Information

| Load Rating (Per Module)                  | Part # | Price      |
|---|--------|------------|
| <b>Single Module (Includes Load Cell)</b> |        |            |
| 50 lb                                     | 196829 | \$710.00   |
| 75 lb                                     | 196830 | \$710.00   |
| 100 lb                                    | 196831 | \$710.00   |
| 150 lb                                    | 196832 | \$710.00   |
| 250 lb                                    | 196833 | \$710.00   |
| 500 lb                                    | 17954  | \$735.00   |
| <b>3-Module Kit</b>                       |        |            |
| 50 lb                                     | 196840 | \$2,410.00 |
| 75 lb                                     | 196841 | \$2,410.00 |
| 100 lb                                    | 196842 | \$2,410.00 |
| 150 lb                                    | 196843 | \$2,410.00 |
| 250 lb                                    | 196844 | \$2,410.00 |
| 500 lb                                    | 30394  | \$3,435.00 |
| <b>4-Module Kit</b>                       |        |            |
| 50 lb                                     | 196845 | \$3,115.00 |
| 75 lb                                     | 197015 | \$3,115.00 |
| 100 lb                                    | 196846 | \$3,115.00 |
| 150 lb                                    | 196848 | \$3,115.00 |
| 250 lb                                    | 196849 | \$3,115.00 |
| 500 lb                                    | 30393  | \$3,190.00 |

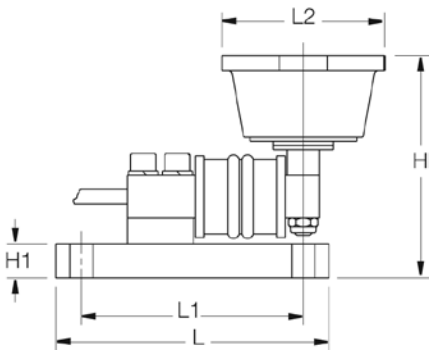
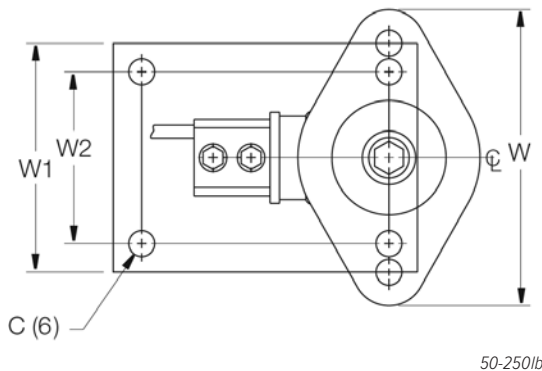
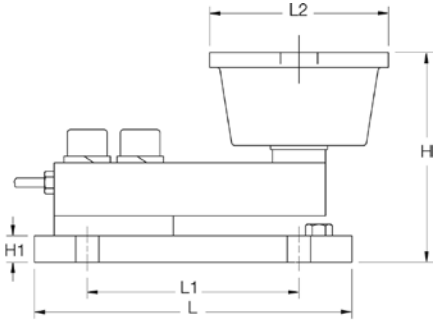
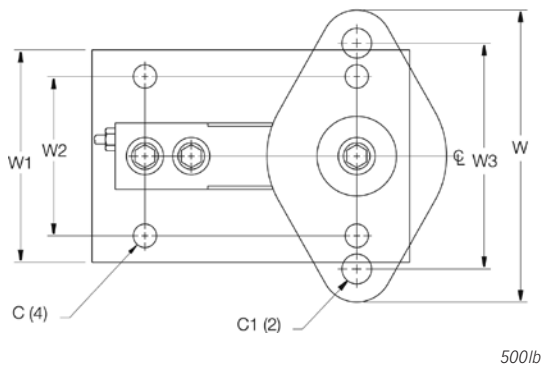


# RL50219SS-TA

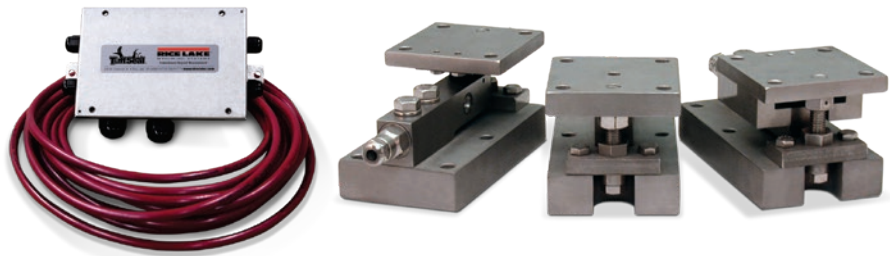
Mini Tank Weighing Module, Stainless Steel

## Dimensions

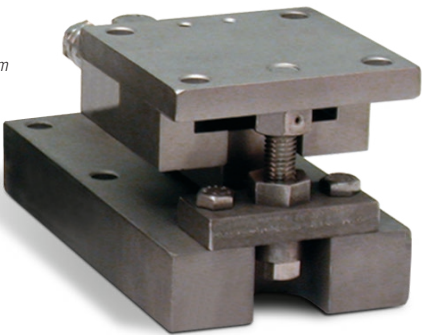
| Rated Capacity | C    | C1   | H    | H1   | L    | L1   | L2   | W    | W1   | W2   | W3   |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |      |
| 50 to 250      | 0.34 | -    | 3.13 | 0.50 | 4.00 | 3.25 | 2.38 | 3.88 | 3.00 | 2.25 | -    |
| 500            | 0.44 | 0.56 | 3.88 | 0.50 | 6.00 | 4.00 | 3.38 | 5.50 | 4.00 | 3.00 | 4.13 |



WEIGH MODULES



Free-sliding module with  
Flintec SB5 single-ended beam  
load cell



Picture is a representation of actual product.

Load Cell Approvals



Order Information

| Load Rating (Per Module)        | Part # | Price      |
|---------------------------------|--------|------------|
| NTEP Certified 3-Module Kits    |        |            |
| 5 kN                            | 33683  | \$2,665.00 |
| 10 kN                           | 33682  | \$2,665.00 |
| 23 kN                           | 33681  | \$2,665.00 |
| 50 kN                           | 33680  | \$3,055.00 |
| NTEP Certified 4-Module Kits    |        |            |
| 5 kN                            | 33678  | \$3,553.00 |
| 10 kN                           | 33677  | \$3,553.00 |
| 23 kN                           | 33676  | \$3,553.00 |
| 50 kN                           | 33675  | \$4,372.00 |
| Non-NTEP Certified 3-Module Kit |        |            |
| 100 kN                          | 33679  | \$4,832.00 |
| Non-NTEP Certified 4-Module Kit |        |            |
| 100 kN                          | 33674  | \$4,832.00 |

Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- One fixed-pin module, one side-stop module, and one or two free-sliding assemblies. Each module is complete with a Flintec SB5 NTEP Certified 1:5000d, Class III, stainless steel environmentally protected load cell
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 1,125 to 22,500 lb
- NTEP Certified load cells
- Unique design allows for thermal expansion/contraction
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique blind load hole eliminates unwanted side and eccentric loads
- Vessel is free to slide laterally on PTFE-coated surfaces
- mV/V/ohm load cell outputs allow for replacement without further calibration

Applications

- Light- to medium-capacity tanks and hoppers
- Process measurement and control

WEIGH MODULES

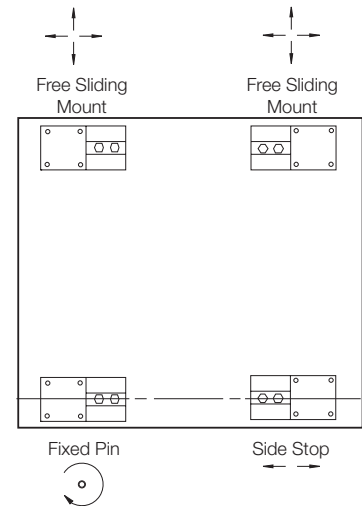
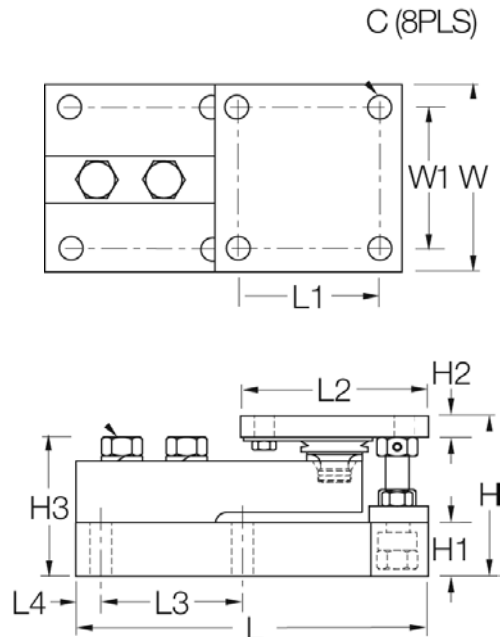
# Paramounts® EP

Environmentally Protected, Mild Steel, Light- to Medium-capacity Tank Weighing Systems

## Dimensions

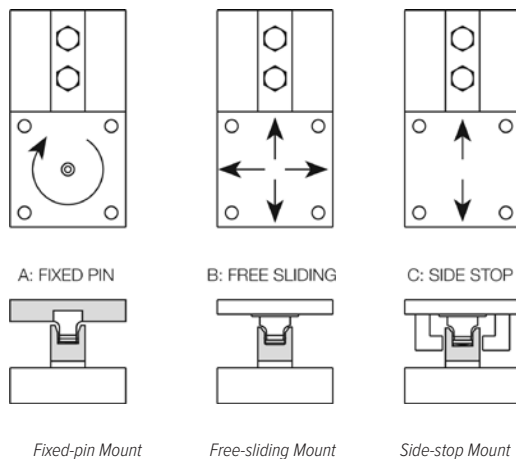
| Rated Capacity | C    | H    | H1   | *H2  | **H2 | H3   | L     | L1   | L2   | L3   | L4   | W    | W1   |
|----------------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| kN/in          |      |      |      |      |      |      |       |      |      |      |      |      |      |
| 5 to 23        | 0.44 | 3.58 | 1.25 | 0.50 | 0.75 | 3.06 | 7.51  | 3.00 | 4.00 | 3.00 | 0.50 | 4.00 | 3.00 |
| 50             | 0.56 | 4.66 | 1.50 | 0.62 | 1.00 | 4.09 | 9.19  | 3.87 | 5.00 | 3.87 | 0.56 | 5.00 | 3.87 |
| 100            | 0.69 | 6.41 | 2.00 | 0.75 | 1.25 | 5.73 | 11.46 | 4.75 | 6.00 | 4.75 | 0.69 | 6.00 | 4.75 |

\* Side-stop and free-sliding units    \*\* Fixed-pin units



### VESSEL ARRANGEMENT

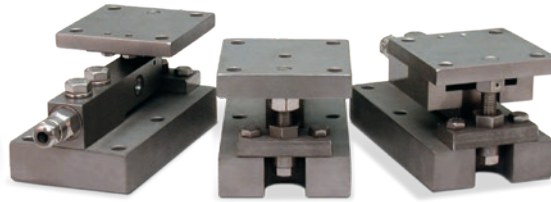
When arranged as illustrated, the vessel is fixed at one corner but is able to slide freely as indicated. This ensures there is minimal side loading on the cells and at the same time the vessel is self-checking. The unique, patented blind load hole technology used in these mounts introduces the load at the neutral axis of the load cell which helps minimize the effects of side loads.



Fixed-pin Mount

Free-sliding Mount

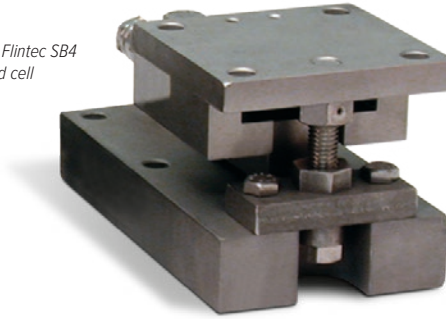
Side-stop Mount



Free-sliding module with Flintec SB4 bending beam load cell

Picture is a representation of actual product.

### Load Cell Approvals



### Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- One fixed-pin module, one side-stop module, and one or two free-sliding assemblies. Each module is complete with a Flintec SB4 stainless steel hermetically sealed load cell
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

### Standard Features

- Capacities (per module): 5 kN to 100 kN
- Unique design allows for thermal expansion/contraction
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique blind load hole eliminates unwanted side and eccentric loads
- Vessel is free to slide laterally on PTFE-coated surfaces
- Load cell outputs are matched to  $\pm 0.07\%$  allowing replacement without further calibration

### Optional Features

- NTEP Certified load cells available: Capacities 1,125 to 11,250 lb

### Applications

- Light- to medium-capacity tanks and hoppers
- Mixers and blenders
- Process measurement and control

### Order Information

| Load Rating (Per Module)               | Part # | Price      |
|--|--------|------------|
| <b>NTEP Certified 3-Module Kit</b>     |        |            |
| 5 kN                                   | 29871  | \$3,370.00 |
| 10 kN                                  | 29872  | \$3,370.00 |
| 23 kN                                  | 29873  | \$3,370.00 |
| 50 kN                                  | 29874  | \$4,000.00 |
| <b>NTEP Certified 4-Module Kit</b>     |        |            |
| 5 kN                                   | 29875  | \$4,535.00 |
| 10 kN                                  | 29876  | \$4,535.00 |
| 23 kN                                  | 29877  | \$4,535.00 |
| 50 kN                                  | 29878  | \$5,135.00 |
| <b>Non-NTEP Certified 3-Module Kit</b> |        |            |
| 5 kN                                   | 17977  | \$3,265.00 |
| 10 kN                                  | 17978  | \$3,265.00 |
| 23 kN                                  | 17979  | \$3,265.00 |
| 50 kN                                  | 17980  | \$3,962.00 |
| 100 kN                                 | 17981  | \$5,090.00 |

| Load Rating (Per Module)  | Part # | Price      |
|---|--------|------------|
| <b>Non-NTEP Certified 4-Module Kit</b>                                      |        |            |
| 5 kN  | 17984  | \$4,282.00 |
| 10 kN   | 17985  | \$4,282.00 |
| 23 kN   | 17986  | \$4,282.00 |
| 50 kN   | 17987  | \$4,875.00 |
| 100 kN  | 17988  | \$6,160.00 |
| <b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b> |        |            |
| 1/2-14 NPT  | 17703  | \$50.00    |

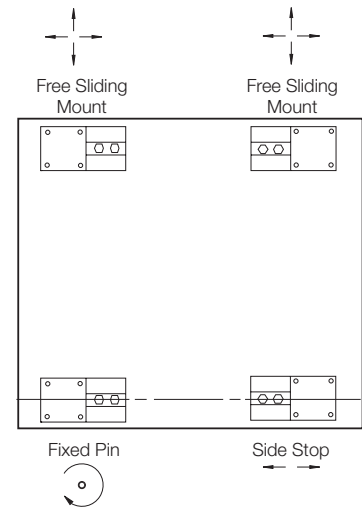
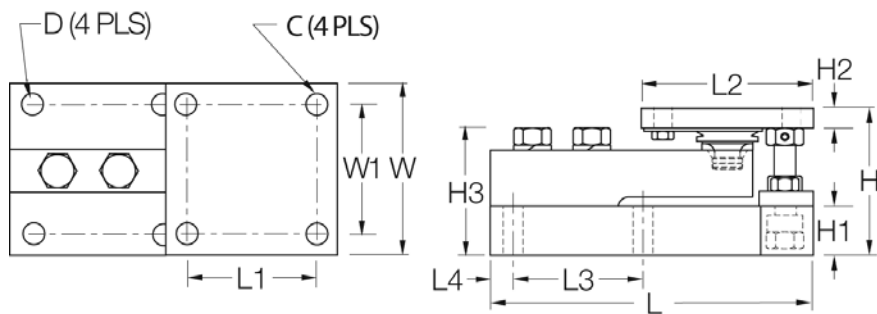
# Paramounts® HS

Hermetically Sealed, Mild Steel, Light- to Medium-capacity Tank Weighing Systems

## Dimensions

| Rated Capacity | C    | D    | H    | H1   | *H2  | **H2 | H3   | L     | L1   | L2   | L3   | L4   | W    | W1   |
|----------------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |       |      |      |      |      |      |      |
| 5 kN to 23 kN  | 0.44 | 0.44 | 3.58 | 1.25 | 0.50 | 0.75 | 3.06 | 7.51  | 3.00 | 4.00 | 3.00 | 0.50 | 4.00 | 3.00 |
| 50 kN          | 0.56 | 0.56 | 4.66 | 1.50 | 0.62 | 1.00 | 4.09 | 9.19  | 3.87 | 5.00 | 3.87 | 0.56 | 5.00 | 3.87 |
| 100 kN         | 0.69 | 0.69 | 6.41 | 2.00 | 0.75 | 1.25 | 5.73 | 11.46 | 4.75 | 6.00 | 4.75 | 0.69 | 6.00 | 4.75 |

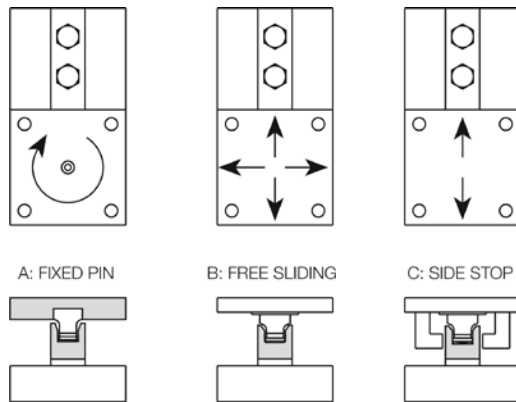
\* Side-stop and free-sliding units    \*\* Fixed-pin units



### VESSEL ARRANGEMENT

When arranged as illustrated, the vessel is fixed at one corner but is able to slide freely as indicated. This ensures there is minimal side loading on the cells and at the same time the vessel is self-checking. The unique, patented blind load hole technology used in these mounts introduces the load at the neutral axis of the load cell which helps minimize the effects of side loads.

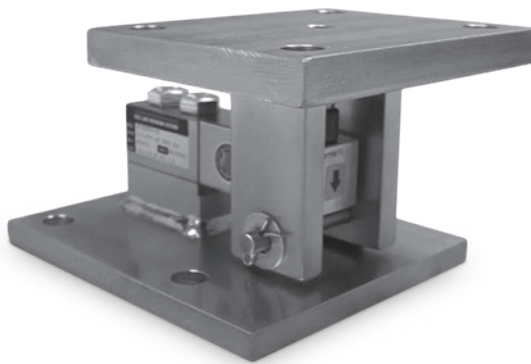
WEIGH MODULES



Fixed-pin Mount

Free-sliding Mount

Side-stop Mount



Does not include load cell.  
Picture is a representation of actual product.

### Standard Features

- Capacities (per module): 250 to 5,000 lb SE
- Zinc plated, mild steel construction or stainless steel construction
- Self-checking, multi-directional movement
- Design incorporates a ball and cup for self-centering
- The RLBTM will accommodate a standard shear beam 250 to 5,000 lb SE load cell that has a threaded load hole such as the RL30000, RL39123, RL35023, RL35082 and RL35083

### Applications

- Light- to medium-capacity tanks and hoppers
- Conveyors

### Mild Steel Order Information

| Load Rating (Per Module)                   | Part # | Price    |
|--|--------|----------|
| Single Module (Does NOT Include Load Cell) |        |          |
| 250 lb to 5,000 lb SE                      | 53059  | \$430.00 |

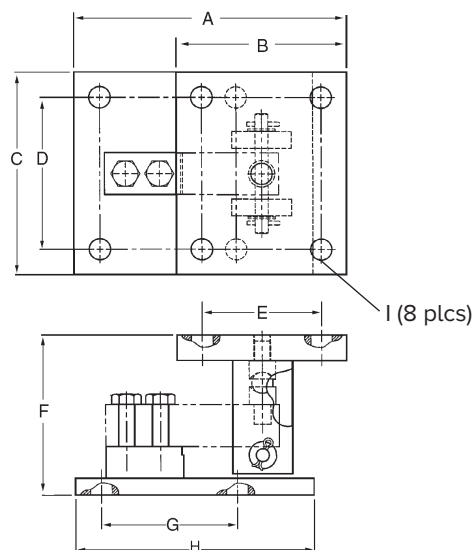
### Stainless Steel Order Information

| Load Rating (Per Module)                   | Part # | Price    |
|--|--------|----------|
| Single Module (Does NOT Include Load Cell) |        |          |
| 250 lb to 5,000 lb SE                      | 53066  | \$655.00 |

### Dimensions

| Rated Capacity   | A    | B    | C    | D    | E    | F    | G    | H    | I    |
|------------------|------|------|------|------|------|------|------|------|------|
| lb/in            |      |      |      |      |      |      |      |      |      |
| 250 to 5,000 SE* | 8.00 | 5.00 | 6.00 | 4.50 | 3.50 | 4.75 | 4.00 | 7.00 | 0.63 |

\*SE refers to small envelope





# RL1800 Series

Mild Steel/Stainless Steel Weigh Modules



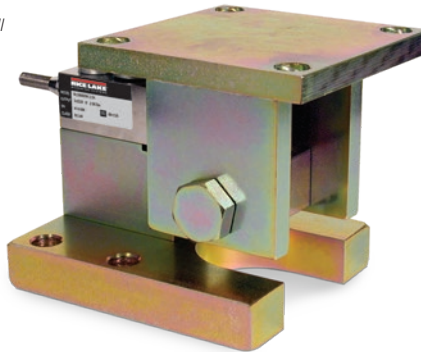
Module with RL32018 single-ended beam load cell

Picture is a representation of actual product.

## Load Cell Approvals



Except 250lb  
and 500lb



## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL1800 mild steel or stainless steel compression mounts
- Three or four RL32018 single-ended beam load cells, RL32018S used in stainless steel
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 250 to 10,000 lb
- NTEP Certified cells in 1,000 to 10,000 lb capacities, except 3,000 lb
- Zinc plated mild steel/stainless steel construction
- Center-pivoted, tension loading design
- Self-checking, multi-directional movement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers for self centering
- Stainless steel kit includes RL32018S NTEP Certified load cell

## Applications

- Conveyors
- Medium-capacity tanks and hoppers
- Mixers and blenders
- Process measurement and control

WEIGH MODULES

## Mild Steel Order Information

| Load Rating (Per Module)                          | Part #       | Price      |
|---|--------------|------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |              |            |
| 250 lb to 5,000 lb SE                             | <b>17817</b> | \$399.00   |
| 5,000 lb LE to 10,000 lb                          | <b>17819</b> | \$428.00   |
| <b>3-Module Kit</b>                               |              |            |
| 250 lb*   | <b>18075</b> | \$2,350.00 |
| 500 lb*   | <b>18076</b> | \$2,350.00 |
| 1,000 lb  | <b>18077</b> | \$2,350.00 |
| 2,000 lb  | <b>18078</b> | \$2,350.00 |
| 2,500 lb  | <b>18079</b> | \$2,350.00 |
| 3,000 lb  | <b>18080</b> | \$2,350.00 |
| 4,000 lb  | <b>18081</b> | \$2,350.00 |
| 5,000 lb SE                                       | <b>18082</b> | \$2,350.00 |
| 5,000 lb LE                                       | <b>18083</b> | \$2,700.00 |
| 10,000 lb   | <b>18084</b> | \$2,700.00 |
| <b>4-Module Kit</b>                               |              |            |
| 250 lb*   | <b>18085</b> | \$3,050.00 |
| 500 lb*   | <b>18086</b> | \$3,050.00 |
| 1,000 lb  | <b>18087</b> | \$3,050.00 |
| 2,000 lb  | <b>18088</b> | \$3,050.00 |
| 2,500 lb  | <b>18089</b> | \$3,050.00 |
| 3,000 lb  | <b>18090</b> | \$3,050.00 |
| 4,000 lb  | <b>18091</b> | \$3,050.00 |
| 5,000 lb SE                                       | <b>18092</b> | \$3,050.00 |
| 5,000 lb LE                                       | <b>18093</b> | \$3,500.00 |
| 10,000 lb   | <b>18094</b> | \$3,500.00 |

SE=Small envelope; LE=Large envelope

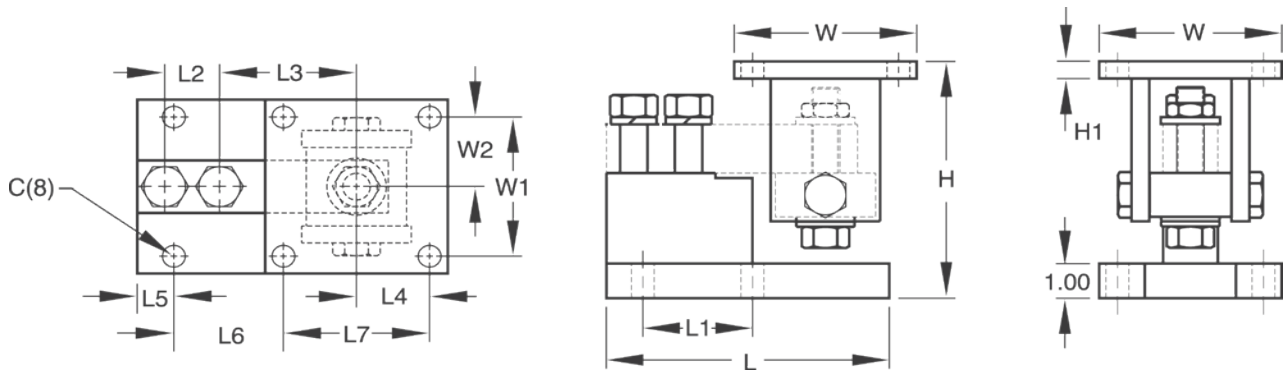
\* Non-NTEP Certified using RL30000 or RL32018 load cells.

## Stainless Steel Order Information

| Load Rating (Per Module)                          | Part #       | Price      |
|---|--------------|------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |              |            |
| 250 lb to 4,000 lb                                | <b>17818</b> | \$640.00   |
| 5,000 lb to 10,000 lb                             | <b>17820</b> | \$675.00   |
| <b>3-Module Kit</b>                               |              |            |
| 1,000 lb  | <b>18095</b> | \$3,190.00 |
| 2,000 lb  | <b>18096</b> | \$3,190.00 |
| 2,500 lb  | <b>18097</b> | \$3,190.00 |
| 4,000 lb  | <b>18099</b> | \$3,190.00 |
| 5,000 lb LE                                       | <b>18100</b> | \$3,445.00 |
| 10,000 lb   | <b>18101</b> | \$3,445.00 |
| <b>4-Module Kit</b>                               |              |            |
| 1,000 lb  | <b>18102</b> | \$4,250.00 |
| 2,000 lb  | <b>18103</b> | \$4,250.00 |
| 2,500 lb  | <b>18104</b> | \$4,250.00 |
| 4,000 lb  | <b>18106</b> | \$4,250.00 |
| 5,000 lb LE                                       | <b>18107</b> | \$4,595.00 |
| 10,000 lb   | <b>18108</b> | \$4,595.00 |
| <b>Dummy Cell</b>                                 |              |            |
| Dummy load cell 1 k to 5 k SE                     | <b>22980</b> | \$53.00    |

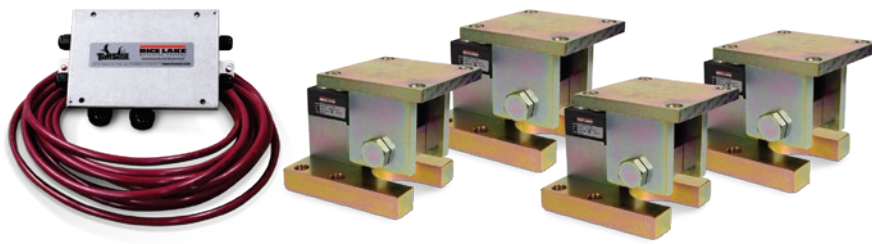
## Dimensions

| Rated Capacity                      | C    | H Min/Max | H1   | L    | L1   | L2   | L3   | L4   | L5   | L6   | L7   | W    | W1   | W2   |
|-------------------------------------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>Mild Steel Construction</b>      |      |           |      |      |      |      |      |      |      |      |      |      |      |      |
| lb/in                               |      |           |      |      |      |      |      |      |      |      |      |      |      |      |
| 250 to 5,000SE                      | 0.62 | 5.25/5.56 | 0.50 | 6.00 | 2.00 | 1.00 | 3.00 | 2.00 | 0.68 | 1.94 | 4.00 | 5.00 | 4.00 | 2.00 |
| 5,000LE to 10,000                   | 0.62 | 6.12/6.62 | 0.50 | 7.75 | 3.00 | 1.50 | 3.75 | 2.00 | 1.03 | 2.97 | 4.00 | 5.00 | 4.00 | 2.00 |
| <b>Stainless Steel Construction</b> |      |           |      |      |      |      |      |      |      |      |      |      |      |      |
| lb/in                               |      |           |      |      |      |      |      |      |      |      |      |      |      |      |
| 1,000 to 4,000                      | 0.62 | 5.25/5.56 | 0.50 | 6.00 | 2.00 | 1.00 | 3.00 | 2.00 | 0.68 | 1.94 | 4.00 | 5.00 | 4.00 | 2.00 |
| 5,000 to 10,000                     | 0.62 | 6.12/6.62 | 0.50 | 7.75 | 3.00 | 1.50 | 3.75 | 2.00 | 1.03 | 2.97 | 4.00 | 5.00 | 4.00 | 2.00 |



# RL1800 Series Painted Load Cell Version

Stainless Steel Weigh Modules



Module with RL35023S painted single-ended beam load cell

Picture is a representation of actual product.

## Load Cell Approvals

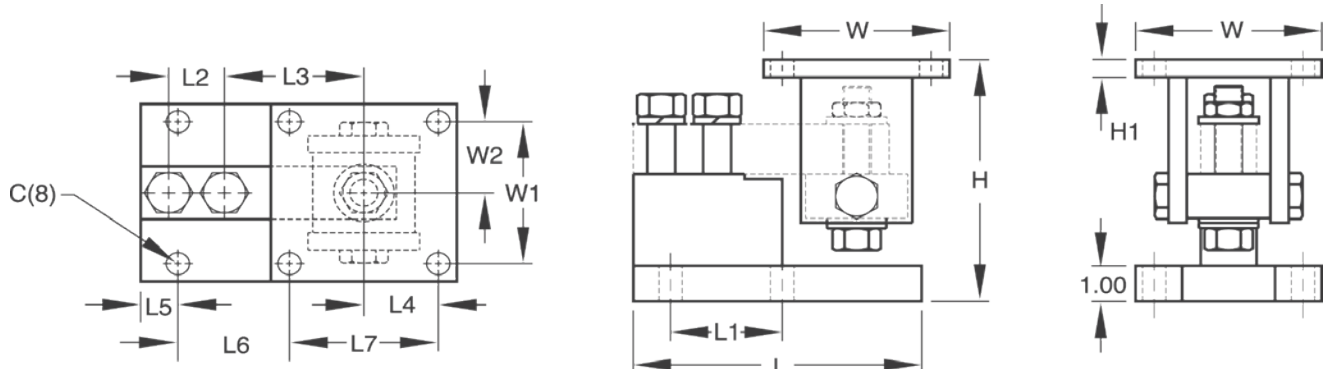


## Stainless Steel Order Information

| Load Rating (Per Module)                          | Part #        | Price      |
|---|---------------|------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |               |            |
| 1,000 lb-4,000 lb                                 | <b>17818</b>  | \$640.00   |
| 5,000 lb-10,000 lb                                | <b>17820</b>  | \$675.00   |
| <b>3-Module Kit</b>                               |               |            |
| 1,000 lb  | <b>188177</b> | \$3,175.00 |
| 2,000 lb  | <b>188179</b> | \$3,175.00 |
| 2,500 lb  | <b>188181</b> | \$3,175.00 |
| 4,000 lb  | <b>188183</b> | \$3,175.00 |
| 5,000 lb  | <b>188185</b> | \$3,430.00 |
| 10,000 lb   | <b>188187</b> | \$3,430.00 |
| <b>4-Module Kit</b>                               |               |            |
| 1,000 lb  | <b>188178</b> | \$4,230.00 |
| 2,000 lb  | <b>188180</b> | \$4,230.00 |
| 2,500 lb  | <b>188182</b> | \$4,230.00 |
| 4,000 lb  | <b>188184</b> | \$4,230.00 |
| 5,000 lb  | <b>188186</b> | \$4,570.00 |
| 10,000 lb   | <b>188188</b> | \$4,570.00 |

## Dimensions

| Rated Capacity C | H Min/Max | H1        | L    | L1   | L2   | L3   | L4   | L5   | L6   | L7   | W    | W1   | W2   |
|------------------|-----------|-----------|------|------|------|------|------|------|------|------|------|------|------|
| <b>lb/in</b>     |           |           |      |      |      |      |      |      |      |      |      |      |      |
| 1,000 to 4,000   | 0.62      | 5.25/5.56 | 0.50 | 6.00 | 2.00 | 1.00 | 3.00 | 2.00 | 0.68 | 1.94 | 4.00 | 5.00 | 4.00 |
| 5,000 to 10,000  | 0.62      | 6.12/6.62 | 0.50 | 7.75 | 3.00 | 1.50 | 3.75 | 2.00 | 1.03 | 2.97 | 4.00 | 5.00 | 4.00 |



## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL1800 stainless steel compression mounts
- Three or four RL35023S painted stainless steel single-ended beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

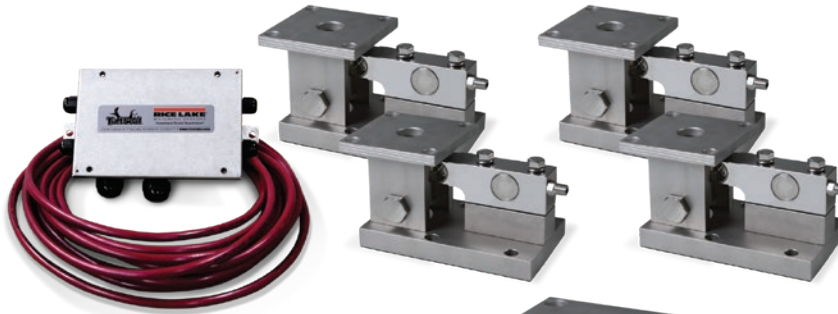
- Capacities (per module): 1,000 to 10,000 lb
- NTEP Certified cells in 1,000 to 10,000 lb capacities
- Stainless steel construction
- Center-pivoted, tension loading design
- Self-checking, multi-directional movement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers for self centering
- Painted load cells for corrosion protection

## Applications

- Conveyors
- Medium-capacity tanks and hoppers

# RL1900 Series

## Stainless Steel Weigh Modules



Module with welded-seal RLSSB single-ended beam load cell

Picture is a representation of actual product.

### Load Cell Approvals

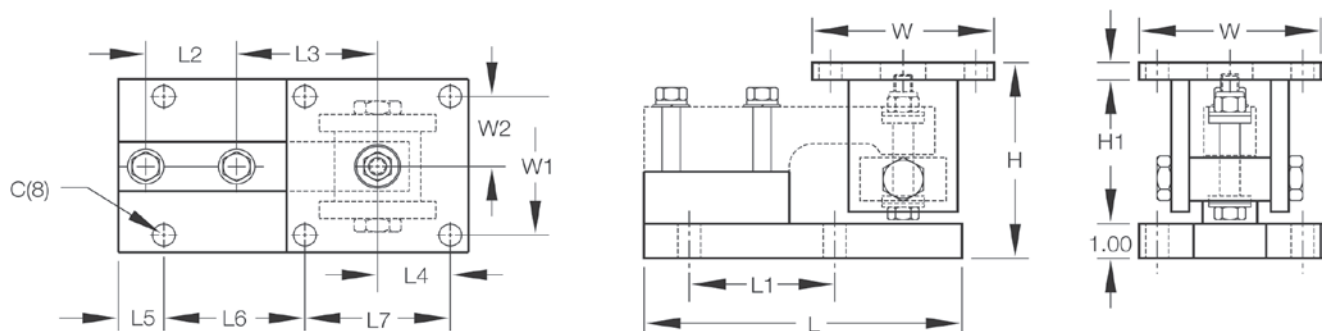


### Order Information

| Load Rating (Per Module)                          | Part #       | Price      |
|---|--------------|------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |              |            |
| 1,000 lb to 5,000 lb                              | <b>17841</b> | \$700.00   |
| 10,000 lb   | <b>17843</b> | \$760.00   |
| <b>3-Module Kit</b>                               |              |            |
| 1,000 lb  | <b>18109</b> | \$4,285.00 |
| 2,000 lb  | <b>18110</b> | \$4,285.00 |
| 5,000 lb  | <b>18111</b> | \$4,285.00 |
| 10,000 lb   | <b>18112</b> | \$4,770.00 |
| <b>4-Module Kit</b>                               |              |            |
| 1,000 lb  | <b>18113</b> | \$5,710.00 |
| 2,000 lb  | <b>18114</b> | \$5,710.00 |
| 5,000 lb  | <b>18115</b> | \$5,710.00 |
| 10,000 lb   | <b>18116</b> | \$5,710.00 |

### Dimensions

| Rated Capacity C | H Min/Max | H1        | L    | L1   | L2   | L3   | L4   | L5   | L6   | L7   | W    | W1   | W2   |
|------------------|-----------|-----------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in            |           |           |      |      |      |      |      |      |      |      |      |      |      |
| 1,000 to 5,000   | 0.62      | 5.38/5.62 | 0.50 | 8.75 | 4.00 | 2.50 | 3.88 | 2.00 | 1.12 | 4.00 | 4.00 | 5.00 | 4.00 |
| 10,000           | 0.81      | 6.88/7.50 | 1.00 | 9.75 | 5.00 | 2.63 | 4.88 | 2.25 | 1.00 | 5.00 | 4.50 | 6.00 | 4.50 |



### Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL1900 stainless steel compression mounts
- Three or four RLSSB welded stainless steel single-ended beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

### Standard Features

- NTEP Certified load cells, 1:5000d, Class III single cell
- Capacities (per module): 1,000 to 10,000lb
- 304 stainless steel construction
- Center-pivoted, tension loading design
- Welded-seal stainless steel load cells, IP67
- Self-checking, multi-directional movement
- Easy load cell replacement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers

### Optional Features

- Also compatible with RTI SSB load cells

### Applications

- Medium-capacity tanks, bins and hoppers
- Washdown applications

WEIGH MODULES

# RLTM

## Stainless Steel Tank Weigh Modules



Picture is a representation of actual product.

### Load Cell Approvals

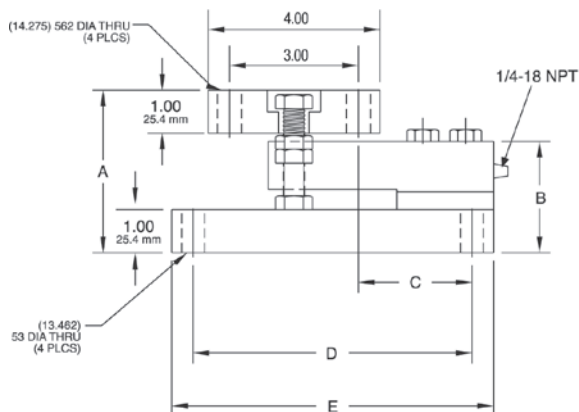


### Order Information

| Load Rating (Per Module)                  | Part # | Price      |
|---|--------|------------|
| <b>Single Module (Includes Load Cell)</b> |        |            |
| 500 lb                                    | 159288 | \$1,085.00 |
| 1,250 lb                                  | 159289 | \$1,085.00 |
| 2,500 lb                                  | 159290 | \$1,085.00 |
| 5,000 lb                                  | 159291 | \$1,310.00 |
| 10,000 lb                                 | 159292 | \$1,310.00 |
| <b>3-Module Kit</b>                       |        |            |
| 500 lb                                    | 162942 | \$3,375.00 |
| 1,250 lb                                  | 162944 | \$3,375.00 |
| 2,500 lb                                  | 162945 | \$3,375.00 |
| 5,000 lb                                  | 162946 | \$4,180.00 |
| 10,000 lb                                 | 162947 | \$4,180.00 |
| <b>4-Module Kit</b>                       |        |            |
| 500 lb                                    | 162948 | \$4,465.00 |
| 1250 lb                                   | 162949 | \$4,465.00 |
| 2500 lb                                   | 162950 | \$4,465.00 |
| 5000 lb                                   | 162951 | \$5,375.00 |
| 10,000 lb                                 | 162953 | \$5,375.00 |

### Dimensions

| Rated Capacity | A    | B    | C    | D    | E    |
|----------------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |
| 500 to 2,500   | 3.77 | 2.59 | 2.62 | 6.50 | 7.50 |
| 5,000          | 3.99 | 2.83 | 2.62 | 6.50 | 7.50 |
| 10,000         | 4.27 | 3.08 | 3.88 | 7.50 | 8.50 |



### Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four Rice Lake RLTM stainless steel mounting assemblies
- Three or four RL32018S-T stainless steel load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

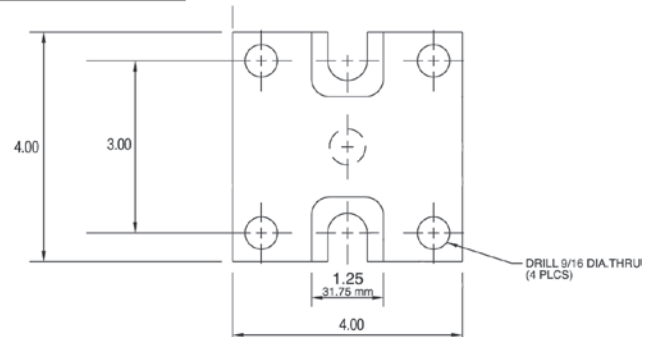
### Standard Features

- Capacities: 500 to 10,000 lb
- Stainless steel
- Overload and uplift protection
- Rocker pin loading
- Welded-seal load cells
- Integral lateral stops
- 30 ft cable on load cells

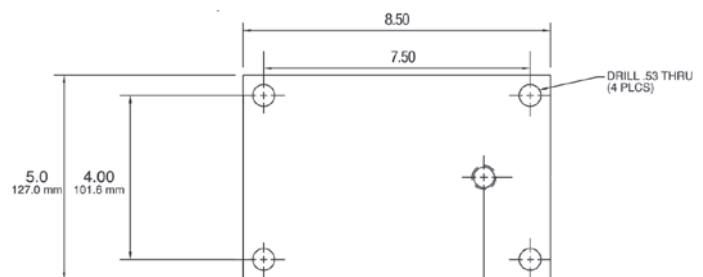
### Applications

- Lower capacity tank and vessel weighing
- Process control and batching

#### TOP PLATE



#### BASE PLATE





# RL2200SS Series

Stainless Steel, Tank, Hopper and Vessel Weighing Assembly



Assembly with integral RL2200SS compression disk load cell

Picture is a representation of actual product.

## Order Information

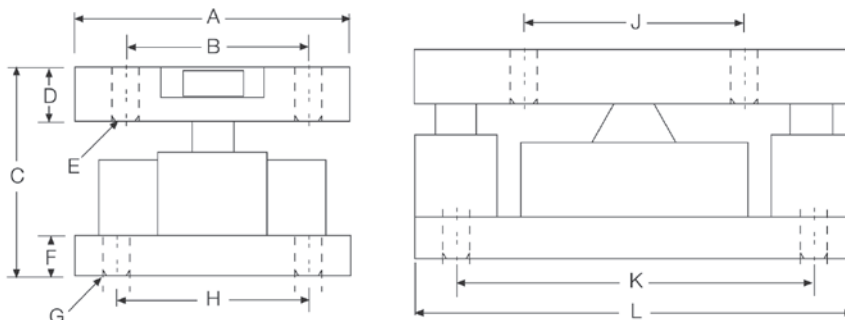
| Load Rating (Per Module) | Part # | Price       |
|--------------------------|--------|-------------|
| <b>Single Module</b>     |        |             |
| 2,500 lb                 | 76657  | \$2,765.00  |
| 5,000 lb                 | 45845  | \$2,765.00  |
| 10,000 lb                | 45844  | \$2,765.00  |
| 25,000 lb                | 45843  | \$4,680.00  |
| 50,000 lb                | 45842  | \$4,680.00  |
| <b>3-Module Kit</b>      |        |             |
| 2,500 lb                 | 76899  | \$7,865.00  |
| 5,000 lb                 | 46478  | \$7,865.00  |
| 10,000 lb                | 46479  | \$7,865.00  |
| 25,000 lb                | 46480  | \$13,710.00 |
| 50,000 lb                | 46481  | \$13,710.00 |
| <b>4-Module Kit</b>      |        |             |
| 2,500 lb                 | 76900  | \$10,400.00 |
| 5,000 lb                 | 46482  | \$10,400.00 |
| 10,000 lb                | 46483  | \$10,400.00 |
| 25,000 lb                | 46484  | \$17,890.00 |
| 50,000 lb                | 46485  | \$17,890.00 |

## Replacement Load Cell Order Information

| Load Rating (Per Module) | Part # | Price      |
|--------------------------|--------|------------|
| 2,500 lb                 | 76655  | \$1,563.00 |
| 5,000 lb                 | 45712  | \$1,563.00 |
| 10,000 lb                | 45713  | \$1,563.00 |
| 25,000 lb                | 45714  | \$2,565.00 |
| 50,000 lb                | 45715  | \$2,565.00 |

## Dimensions

| Rated Capacity   | A    | B    | C    | D    | E    | F    | G    | H    | J    | K    | L     |
|------------------|------|------|------|------|------|------|------|------|------|------|-------|
| lb/in            |      |      |      |      |      |      |      |      |      |      |       |
| 2,500 to 10,000  | 5.00 | 3.50 | 4.00 | 1.00 | 0.52 | 1.00 | 0.52 | 3.50 | 4.00 | 6.50 | 8.00  |
| 25,000 to 50,000 | 6.00 | 4.50 | 5.00 | 1.25 | 0.78 | 1.00 | 0.78 | 4.50 | 5.00 | 7.75 | 10.00 |



## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL2200 stainless steel mounting assemblies
- Three or four RL2200SS stainless steel, hermetically sealed, compression disk load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Applications

- Tank, hopper or vessel weighing
- Belt or roller conveyors
- Scale platforms and screw feeders

## Specifications

### Full Scale Output:

4.0 mV/V  
2.0 mV/V (2,500 lb)

### Bridge Resistance:

350 ohm nominal

### Material/Finish:

Stainless steel

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (20 V maximum)

### Nonlinearity:

0.05% full scale

### Hysteresis:

0.03% full scale

### Temperature:

Compensated range  
15 °F to 115 °F (9 °C to 46 °C)

### Insulation Resistance:

5,000 megohm

### Seal Type:

Hermetically sealed, IP66/68

### Cable Length:

30 ft

### Cable Color Code:

Red +Excitation  
Black -Excitation  
White +Signal  
Green -Signal

### Warranty:

Two-year limited

WEIGH MODULES



# RL9000TWM Series

Stainless Steel, Tank, Hopper and Vessel Weighing Assembly



Assembly with integral  
RL9000TWM compression disk load cell.

Picture is a representation of actual product.

## Load Cell Approvals



## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four stainless steel mounting assemblies
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities: 1,000 to 450,000lb
- Very low profile design
- 3 mV/V output
- Self-centering
- Self-checking assembly
- Offers 100% sideload, 100% uplift and 150% static safe load and 300% ultimate static overload protection
- Stainless steel construction
- Welded seal
- Weighs accurately with as much as a 3° non-parallel load
- Includes 25 ft load cell cable

## Optional Features

- Stainless steel top plates (150,000 to 450,000 lb have mild steel painted base plate)

## Applications

- Tank, hopper or vessel weighing

## Specifications

### Full Scale Output:

3 ( $\pm 0.1\%$ ) mV/V

### Bridge Resistance:

350 ohm

### Material/Finish:

Stainless steel

### Operating Temperature:

0 °F to 150 °F (-17 °C to 65 °C)

### Seal Type:

Welded-seal, IP67

### Safe Overload:

150% Full scale

### Rated Excitation:

5 to 10 VDC

### Insulation Resistance:

5,000 megohm

### Non-linearity:

1 to 100 K: 0.05% FS

150 to 450 K: 0.1% FS

### Non-repeatability:

1 to 100 K: 0.02% full scale

150 to 450 K: 0.03% full scale

### Cable Length:

25 ft

### Deflection at Capacity:

1 to 15 K: 0.002in

20 to 50 K: 0.004in

60 to 100 K: 0.007in

150 to 200 K: 0.007in

250 to 400 K: 0.009in

### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

### Warranty:

Two-year limited

# RL9000TWM Series

Stainless Steel, Tank, Hopper and Vessel Weighing Assembly

## Order information

| Load Rating (Per Module) | Part #       | Price       |
|--------------------------|--------------|-------------|
| <b>Single Module</b>     |              |             |
| 1,000 lb                 | <b>84353</b> | \$710.00    |
| 2,500 lb                 | <b>84354</b> | \$710.00    |
| 5,000 lb                 | <b>84355</b> | \$710.00    |
| 10,000 lb                | <b>84356</b> | \$710.00    |
| 15,000 lb                | <b>84357</b> | \$710.00    |
| 20,000 lb                | <b>84358</b> | \$1,350.00  |
| 25,000 lb                | <b>84359</b> | \$1,350.00  |
| 35,000 lb                | <b>84360</b> | \$1,350.00  |
| 50,000 lb                | <b>84361</b> | \$1,350.00  |
| 60,000 lb                | <b>84362</b> | \$2,255.00  |
| 75,000 lb                | <b>84363</b> | \$2,255.00  |
| 100,000 lb               | <b>84364</b> | \$2,255.00  |
| 150,000 lb               | <b>84365</b> | \$4,600.00  |
| 200,000 lb               | <b>84366</b> | \$4,600.00  |
| 250,000 lb               | <b>84368</b> | \$6,750.00  |
| 300,000 lb               | <b>84369</b> | \$6,750.00  |
| 400,000 lb               | <b>84370</b> | \$6,750.00  |
| 450,000 lb               | <b>84371</b> | \$6,750.00  |
| <b>3-Module Kit</b>      |              |             |
| 1,000 lb                 | <b>98974</b> | \$2,355.00  |
| 2,500 lb                 | <b>98980</b> | \$2,355.00  |
| 5,000 lb                 | <b>98981</b> | \$2,355.00  |
| 10,000 lb                | <b>98982</b> | \$2,355.00  |
| 15,000 lb                | <b>98983</b> | \$2,355.00  |
| 20,000 lb                | <b>98984</b> | \$4,275.00  |
| 25,000 lb                | <b>98985</b> | \$4,275.00  |
| 35,000 lb                | <b>98986</b> | \$4,275.00  |
| 50,000 lb                | <b>98987</b> | \$4,275.00  |
| 60,000 lb                | <b>98988</b> | \$6,930.00  |
| 75,000 lb                | <b>98989</b> | \$6,930.00  |
| 100,000 lb               | <b>98990</b> | \$6,930.00  |
| 150,000 lb               | <b>98991</b> | \$13,935.00 |
| 200,000 lb               | <b>98992</b> | \$13,935.00 |
| 250,000 lb               | <b>98993</b> | \$20,415.00 |
| 300,000 lb               | <b>98994</b> | \$20,415.00 |
| 400,000 lb               | <b>98995</b> | \$20,415.00 |
| 450,000 lb               | <b>98996</b> | \$20,415.00 |
| <b>4-Module Kit</b>      |              |             |
| 1,000 lb                 | <b>98997</b> | \$2,970.00  |
| 2,500 lb                 | <b>98998</b> | \$2,970.00  |
| 5,000 lb                 | <b>98999</b> | \$2,970.00  |
| 10,000 lb                | <b>99000</b> | \$2,970.00  |
| 15,000 lb                | <b>99001</b> | \$2,970.00  |
| 20,000 lb                | <b>99002</b> | \$5,530.00  |
| 25,000 lb                | <b>99003</b> | \$5,530.00  |
| 35,000 lb                | <b>99004</b> | \$5,530.00  |
| 50,000 lb                | <b>99005</b> | \$5,530.00  |
| 60,000 lb                | <b>99006</b> | \$9,110.00  |
| 75,000 lb                | <b>99007</b> | \$9,110.00  |
| 100,000 lb               | <b>99008</b> | \$9,110.00  |
| 150,000 lb               | <b>99009</b> | \$18,435.00 |
| 200,000 lb               | <b>99010</b> | \$18,435.00 |
| 250,000 lb               | <b>99011</b> | \$27,050.00 |
| 300,000 lb               | <b>99012</b> | \$27,050.00 |
| 400,000 lb               | <b>99013</b> | \$27,050.00 |
| 450,000 lb               | <b>99014</b> | \$27,050.00 |

| Load Rating (Per Module)                       | Part #        | Price      |
|--|---------------|------------|
| <b>Top Plates (Stainless Steel) with bolts</b> |               |            |
| 1,000 to 15,000 lb                             | <b>91207</b>  | \$125.00   |
| 20,000 to 50,000 lb                            | <b>91210</b>  | \$285.00   |
| 60,000 to 100,000 lb                           | <b>91211</b>  | \$465.00   |
| 150,000 to 200,000 lb                          | <b>91213</b>  | \$740.00   |
| 250,000 to 450,000 lb                          | <b>91215</b>  | \$1,710.00 |
| <b>Top Plates (Mild Steel) with bolts</b>      |               |            |
| 1,000 to 15,000 lb                             | <b>124758</b> | \$60.00    |
| 20,000 to 50,000 lb                            | <b>125141</b> | \$115.00   |
| 60,000 to 100,000 lb                           | <b>124759</b> | \$165.00   |
| 150,000 to 200,000 lb                          | <b>124760</b> | \$262.00   |
| 250,000 to 450,000 lb                          | <b>124761</b> | \$388.00   |
| <b>Dummy Weigh Modules (non-functioning)</b>   |               |            |
| 1,000 to 10,000 lb                             | <b>158749</b> | \$100.00   |
| 15,000 lb                                      | <b>158750</b> | \$130.00   |
| 20,000 to 50,000 lb                            | <b>158752</b> | \$145.00   |
| 60,000 to 100,000 lb                           | <b>158753</b> | \$160.00   |
| 150,000 to 200,000 lb                          | <b>158754</b> | \$410.00   |
| 250,000 to 450,000 lb                          | <b>158755</b> | \$435.00   |

150,000 to 450,000lb have mild steel painted base plates

## Order information

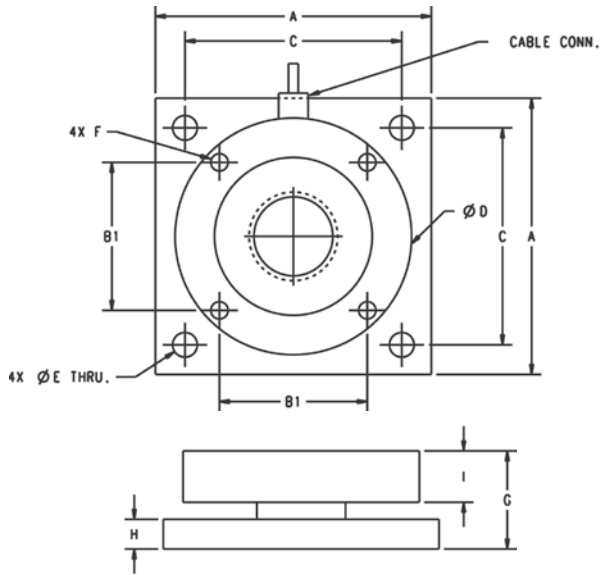
| Capacity                 | Thickness | Material | Part #        | Price   |
|--------------------------|-----------|----------|---------------|---------|
| <b>Shims</b>             |           |          |               |         |
| 1,000 to 15,000 lb       | 0.0625    | SST      | <b>167001</b> | \$6.00  |
| 1,000 to 15,000 lb       | 0.125     | SST      | <b>167002</b> | \$8.00  |
| 1,000 to 15,000 lb       | 0.250     | SST      | <b>167003</b> | \$11.00 |
| 1,000 to 15,000 lb       | 0.0625    | MS       | <b>167004</b> | \$2.50  |
| 1,000 to 15,000 lb       | 0.125     | MS       | <b>167005</b> | \$2.75  |
| 1,000 to 15,000 lb       | 0.250     | MS       | <b>167006</b> | \$3.25  |
| 20,000 lb to 50,000 lb   | 0.0625    | SST      | <b>167008</b> | \$15.00 |
| 20,000 lb to 50,000 lb   | 0.125     | SST      | <b>167009</b> | \$22.00 |
| 20,000 lb to 50,000 lb   | 0.250     | SST      | <b>167010</b> | \$34.00 |
| 20,000 lb to 50,000 lb   | 0.0625    | MS       | <b>167011</b> | \$9.00  |
| 20,000 lb to 50,000 lb   | 0.125     | MS       | <b>167012</b> | \$9.00  |
| 20,000 lb to 50,000 lb   | 0.250     | MS       | <b>167013</b> | \$10.00 |
| 60,000 lb to 100,000 lb  | 0.0625    | SST      | <b>167014</b> | \$24.00 |
| 60,000 lb to 100,000 lb  | 0.125     | SST      | <b>167015</b> | \$34.00 |
| 60,000 lb to 100,000 lb  | 0.250     | SST      | <b>167016</b> | \$53.00 |
| 150,000 lb to 200,000 lb | 0.0625    | SST      | <b>167020</b> | \$32.00 |
| 150,000 lb to 200,000 lb | 0.125     | SST      | <b>167021</b> | \$40.00 |
| 150,000 lb to 200,000 lb | 0.250     | SST      | <b>167022</b> | \$65.00 |
| 250,000 lb to 450,000 lb | 0.0625    | SST      | <b>167026</b> | \$40.00 |
| 250,000 lb to 450,000 lb | 0.125     | SST      | <b>167027</b> | \$58.00 |
| 250,000 lb to 450,000 lb | 0.250     | SST      | <b>167028</b> | \$75.00 |

Shims match dimensions of base plate and optional top plate

WEIGH MODULES

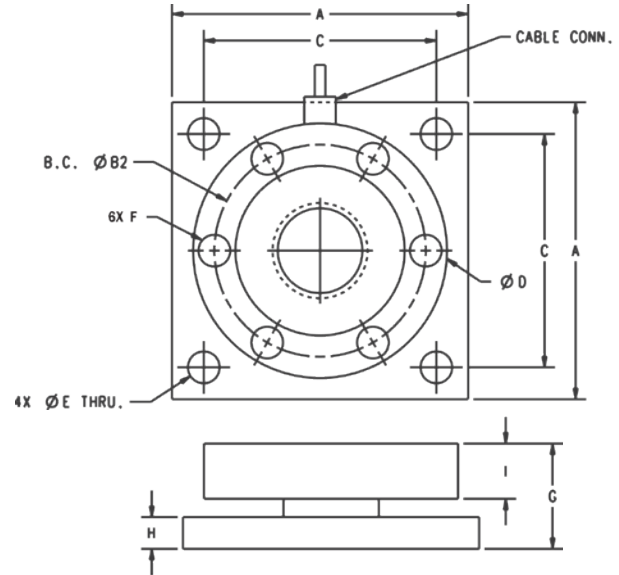
# RL9000TWM Series

Stainless Steel, Tank, Hopper and Vessel Weighing Assembly



## Dimensions

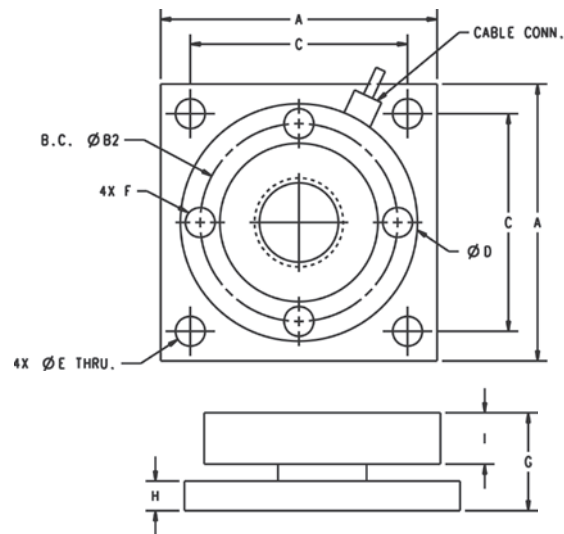
| Rated Capacity    | A    | B1   | C    | D    | E    | F          | G    | H     | I    | Conduit Adapter |
|-------------------|------|------|------|------|------|------------|------|-------|------|-----------------|
| lb/in             |      |      |      |      |      |            |      |       |      |                 |
| 1,000 to 10,000   | 4.00 | 2.00 | 3.25 | 3.50 | 0.40 | 3/8-16 UNC | 1.35 | 0.375 | 0.75 | -               |
| 15,000            | 4.00 | 2.00 | 3.25 | 3.50 | 0.40 | 3/8-16 UNC | 1.60 | 0.625 | 0.75 | -               |
| 20,000 to 50,000  | 7.00 | 3.75 | 5.50 | 6.00 | 0.63 | 1/2-13 UNC | 2.48 | 0.75  | 1.30 | 1/2-14 NPT      |
| 60,000 to 100,000 | 8.00 | 4.25 | 6.50 | 7.00 | 0.81 | 3/4-16 UNC | 2.50 | 1.00  | 1.30 | 1/2-14 NPT      |



## Dimensions

| Rated Capacity     | A     | B2   | C    | D    | E    | F          | G    | H    | I    | Conduit Adapter |
|--------------------|-------|------|------|------|------|------------|------|------|------|-----------------|
| lb/in              |       |      |      |      |      |            |      |      |      |                 |
| 250,000 to 450,000 | 11.00 | 7.75 | 9.00 | 9.00 | 1.30 | 7/8-14 UNF | 6.42 | 3.00 | 2.25 | 1/2-14 NPT      |

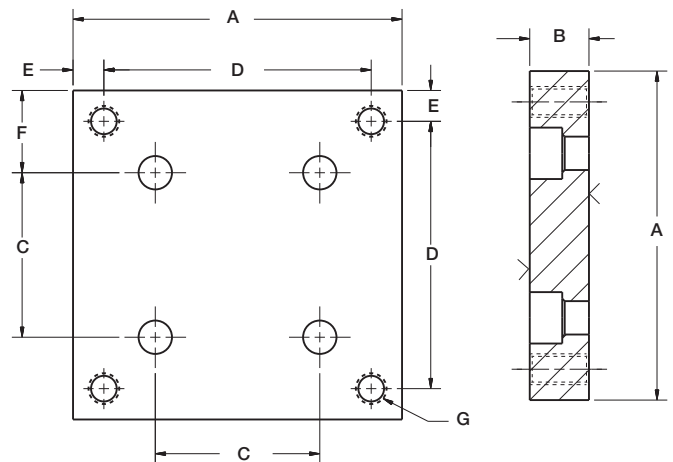
WEIGH MODULES



## Dimensions

| Rated Capacity     | A    | B2    | C    | D    | E    | F        | G    | H    | I    | Conduit Adapter |
|--------------------|------|-------|------|------|------|----------|------|------|------|-----------------|
| lb/in              |      |       |      |      |      |          |      |      |      |                 |
| 150,000 to 200,000 | 10.0 | 7.825 | 8.00 | 9.00 | 1.10 | 1-14 UNF | 4.75 | 2.00 | 1.70 | 1/2-14 NPT      |

## Optional Top Plates

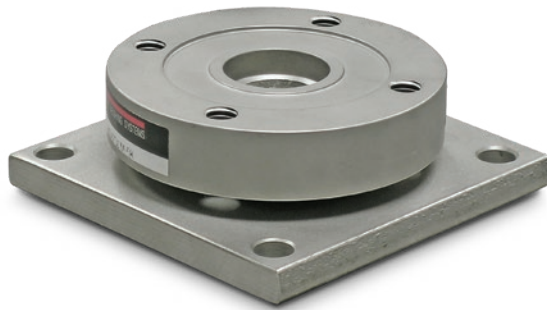


## Dimensions

| Rated Capacity     | A     | B    | C         | D    | E    | F    | G            |
|--------------------|-------|------|-----------|------|------|------|--------------|
| lb/in              |       |      |           |      |      |      |              |
| 1,000 to 15,000    | 4.00  | 0.72 | 2.00      | 3.25 | 0.38 | 1.00 | 3/8-16 UNC   |
| 20,000 to 50,000   | 7.00  | 0.97 | 3.75      | 5.50 | 0.75 | 1.62 | 5/8-11 UNC   |
| 60,000 to 100,000  | 8.00  | 1.46 | 4.25      | 6.50 | 0.75 | 1.88 | 3/4-16 UNF   |
| 150,000 to 200,000 | 10.00 | 1.94 | 5.53      | 8.00 | 1.00 | 2.25 | 1-14 UNS     |
| 250,000 to 450,000 | 11.00 | 2.94 | 7.75 B.C. | 9.00 | 1.00 | 1.00 | 1-1/4-12 UNF |

# RL9000TWM-HT

Tank, Hopper and Vessel Weigh Module



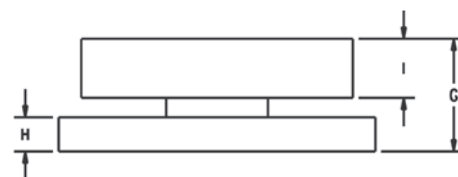
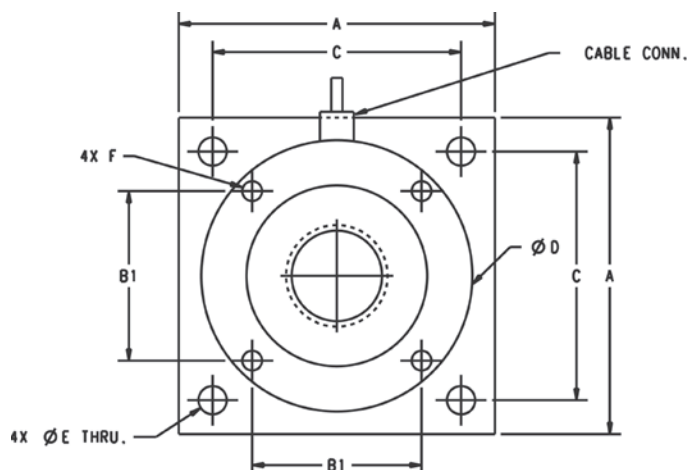
Picture is a representation of actual product.

## Order Information

| Load Rating (per module)                       | Part # | Price      |
|--|--------|------------|
| <b>Single Module</b>                           |        |            |
| 1,000 lb                                       | 117050 | \$1,285.00 |
| 2,500 lb                                       | 117051 | \$1,285.00 |
| 5,000 lb                                       | 117052 | \$1,285.00 |
| 10,000 lb                                      | 117140 | \$1,285.00 |
| 15,000 lb                                      | 117053 | \$1,285.00 |
| 20,000 lb                                      | 117054 | \$2,045.00 |
| 25,000 lb                                      | 117055 | \$2,045.00 |
| 35,000 lb                                      | 117056 | \$2,045.00 |
| 50,000 lb                                      | 117057 | \$2,045.00 |
| <b>Top Plates (Stainless Steel) with bolts</b> |        |            |
| 1,000 lb to 15,000 lb                          | 91207  | \$125.00   |
| 20,000 lb to 50,000 lb                         | 91210  | \$285.00   |
| <b>Top Plates (Mild Steel) with bolts</b>      |        |            |
| 1,000 to 15,000 lb                             | 124758 | \$60.00    |
| 20,000 to 50,000 lb                            | 125141 | \$115.00   |

## Dimensions

| Rated Capacity   | A    | B1   | C    | D    | E    | F          | G    | H     | I    | Conduit Adapter |
|------------------|------|------|------|------|------|------------|------|-------|------|-----------------|
| lb/in            |      |      |      |      |      |            |      |       |      |                 |
| 1,000 to 10,000  | 4.00 | 2.00 | 3.25 | 3.50 | 0.40 | 3/8-16 UNC | 1.35 | 0.375 | 0.75 | -               |
| 15,000           | 4.00 | 2.00 | 3.25 | 3.50 | 0.40 | 3/8-16 UNC | 1.60 | 0.625 | 0.75 | -               |
| 20,000 to 50,000 | 7.00 | 3.75 | 5.50 | 6.00 | 0.63 | 1/2-13 UNC | 2.48 | 0.750 | 1.30 | 1/2-14NPT       |



## Standard Features

- Capacities: 1,000 to 50,000 lb
- Very low profile design
- 3 mV/V output
- Self-centering
- Self-checking assembly
- Offers 100% side load, 100% uplift, 150% safe load and 300% ultimate overload protection
- Stainless steel construction
- Welded seal
- Weighs accurately with as much as a 3° non-parallel load
- Integral 25 ft PTFE cable

## Optional Features

- Stainless steel top plates
- Higher capacities available upon request

## Applications

- Tank, hopper or vessel weighing
- High temperature applications

## Specifications

### Full Scale Output:

3 (± 0.1%) mV/V

### Bridge Resistance:

700 ohm

### Material/Finish:

Stainless steel

### Safe Overload:

150% Full scale

### Non-linearity:

0.05% full scale

### Non-repeatability:

0.02% full scale

### Operating Temperature:

0 °F to 400 °F

### Insulation Resistance:

5,000 megohm

### Seal Type:

Welded seal, IP67

### Deflection at Capacity:

1 to 15 K: 0.002 in  
20 to 50 K: 0.004 in

### Cable Length:

25 ft PTFE Jacket

### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal

### Warranty:

Two-year limited

WEIGH MODULES

# RL2200 Series

Tank, Hopper and Vessel Weighing Assembly



Assembly with integral  
RL2200 compression disk  
load cell

Picture is a representation of actual product.

## Order Information

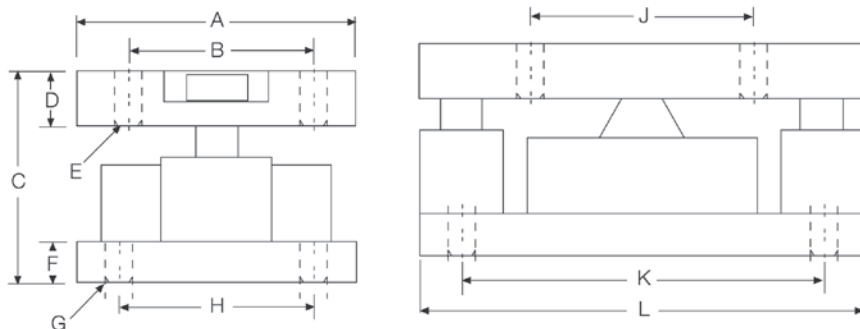
| Load Rating (Per Module) | Part # | Price      |
|--------------------------|--------|------------|
| <b>Single Module</b>     |        |            |
| 2,500 lb                 | 76656  | \$1,965.00 |
| 5,000 lb                 | 45849  | \$1,965.00 |
| 10,000 lb                | 45848  | \$1,965.00 |
| 25,000 lb                | 45847  | \$2,650.00 |
| 50,000 lb                | 45846  | \$2,650.00 |
| <b>3-Module Kit</b>      |        |            |
| 2,500 lb                 | 76897  | \$5,875.00 |
| 5,000 lb                 | 42811  | \$5,875.00 |
| 10,000 lb                | 42812  | \$5,875.00 |
| 25,000 lb                | 42813  | \$7,580.00 |
| 50,000 lb                | 42814  | \$7,580.00 |
| <b>4-Module Kit</b>      |        |            |
| 2,500 lb                 | 76898  | \$7,770.00 |
| 5,000 lb                 | 42815  | \$7,770.00 |
| 10,000 lb                | 42816  | \$7,770.00 |
| 25,000 lb                | 42817  | \$8,995.00 |
| 50,000 lb                | 42818  | \$8,995.00 |

## Replacement Load Cell Order Information

| Load Rating (Per Module) | Part # | Price      |
|--------------------------|--------|------------|
| 2,500 lb                 | 76654  | \$1,325.00 |
| 5,000 lb                 | 45708  | \$1,325.00 |
| 10,000 lb                | 45709  | \$1,325.00 |
| 25,000 lb                | 45710  | \$1,669.00 |
| 50,000 lb                | 45711  | \$1,669.00 |

## Dimensions

| Rated Capacity   | A    | B    | C    | D    | E    | F   | G    | H    | J    | K    | L    |
|------------------|------|------|------|------|------|-----|------|------|------|------|------|
| lb/in            |      |      |      |      |      |     |      |      |      |      |      |
| 2,500 to 10,000  | 5.00 | 3.50 | 4.00 | 1.00 | 0.52 | 1.0 | 0.52 | 3.50 | 4.00 | 6.50 | 8.00 |
| 25,000 to 50,000 | 6.00 | 4.50 | 5.00 | 1.25 | 0.78 | 1.0 | 0.78 | 4.50 | 5.00 | 7.75 | 10.0 |



## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL2200 high-alloy, zinc-plated steel mounting assemblies
- Three or four RL2200 compression disk load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities: 2,500 to 50,000 lb
- Low-profile design
- High 4 mV/V output (2 mV/V, 2,500 lb)
- Self-centering in all directions, able to withstand excessive side loads
- Self-checking assembly

## Applications

- Tank, hopper or vessel weighing
- Belt or roller conveyors
- Scale platforms and screw feeders

## Specifications

### Full Scale Output:

4.0 mV/V  
2.0 mV/V (2,500 lb)

### Bridge Resistance:

350 ohm nominal

### Material/Finish:

High-alloy steel, painted

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (20 V maximum)

### Nonlinearity:

0.05% full scale

### Hysteresis:

0.03% full scale

### Temperature:

Compensated range  
15 °F to 115 °F (-9 °C to 46 °C)

### Insulation Resistance:

5,000 megohm

### Seal Type:

Environmentally sealed

### Cable Length:

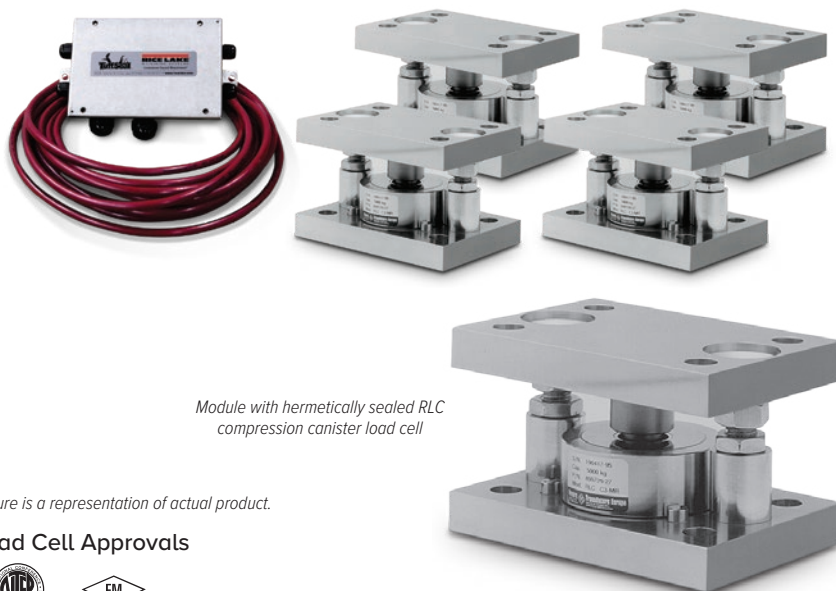
30 ft

### Cable Color Code:

Red +Excitation  
Black -Excitation  
White +Signal  
Green -Signal

### Warranty:

Two-year limited



Module with hermetically sealed RLC compression canister load cell

Picture is a representation of actual product.

### Load Cell Approvals



### Order Information

| Load Rating (Per Module)                  | Part # | Price      |
|---|--------|------------|
| <b>Single Module (Includes Load Cell)</b> |        |            |
| 0.5t                                      | 36401  | \$1,198.00 |
| 1t  | 36402  | \$1,198.00 |
| 2t  | 36403  | \$1,383.00 |
| 3.5t                                      | 36404  | \$1,383.00 |
| 5t  | 36405  | \$1,383.00 |
| <b>3-Module Kit</b>                       |        |            |
| 0.5t                                      | 36406  | \$3,885.00 |
| 1t  | 36407  | \$3,885.00 |
| 2t  | 36408  | \$4,065.00 |
| 3.5t                                      | 36409  | \$4,065.00 |
| 5t  | 36410  | \$4,065.00 |
| <b>4-Module Kit</b>                       |        |            |
| 0.5t                                      | 36411  | \$5,083.00 |
| 1t  | 36412  | \$5,083.00 |
| 2t  | 36413  | \$5,422.00 |
| 3.5t                                      | 36414  | \$5,422.00 |
| 5t  | 36415  | \$5,422.00 |

### Replacement Rocker Pin Set\*

| Load Rating (Per Module) | Part # | Price    |
|--------------------------|--------|----------|
| 250 kg to 1 t            | 170875 | \$132.00 |
| 2 t to 5 t               | 170876 | \$132.00 |

\*Kit includes upper cup, rocker pin and grease

### Dimensions

| Rated Capacity | H     | H1   | H2   | L     | L1   | L2    | T                   | W     | W1   | W2   |
|----------------|-------|------|------|-------|------|-------|---------------------|-------|------|------|
| ton/mm         |       |      |      |       |      |       |                     |       |      |      |
| 0.5 to 1       | 80.0  | 20.0 | 15.0 | 150.0 | 15.0 | 120.0 | 14.0 (top plate)    | 100.0 | 70.0 | 15.0 |
| 2 to 5         | 100.0 | 20.0 | 20.0 | 160.0 | 20.0 | 120.0 | 13.8 (bottom plate) | 110.0 | 70.0 | 20.0 |

### Complete Kit Includes

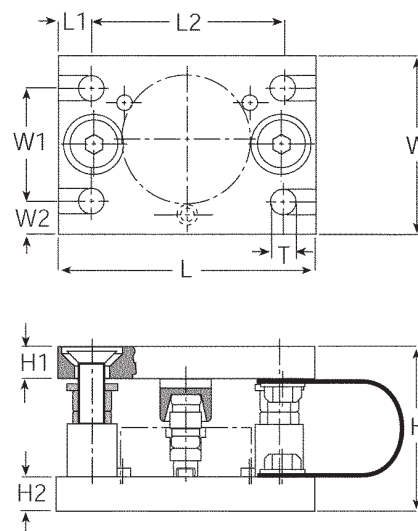
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RLC stainless steel compression mounts
- Three or four RLC stainless steel hermetically sealed compression disk load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

### Standard Features

- Capacities (per module): 0.5 to 5 t
- Matched output load cells eliminate trimming
- 304 stainless steel construction
- Rocker pin design allows movement in all directions
- Hermetically sealed, IP66/68 stainless steel load cells
- Easy load cell replacement
- Integral jacking/shipping bolts

### Applications

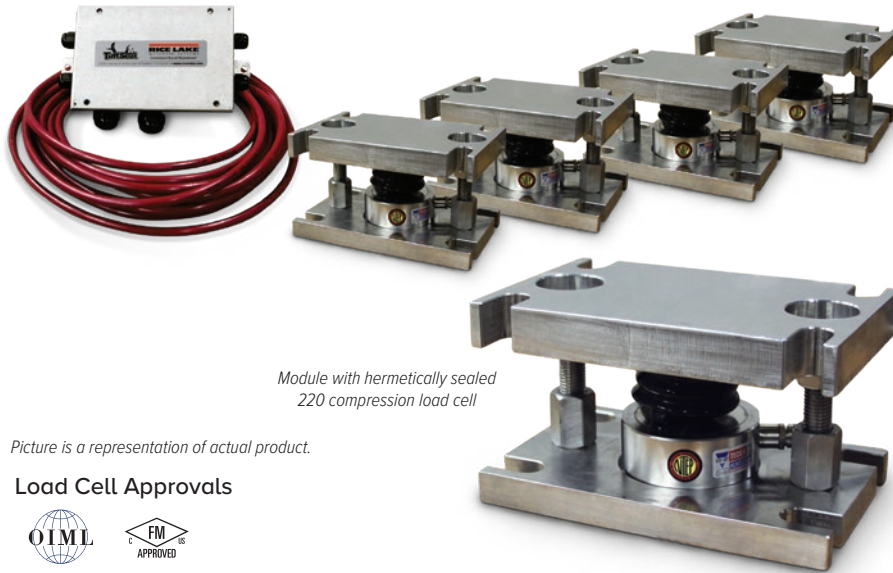
- Medium-capacity tanks, bins and hoppers
- Washdown applications
- Process control and batch weighing





# 220 Universal Mount

Stainless Steel Weigh Modules, VPG Tedeo-Huntleigh



Module with hermetically sealed  
220 compression load cell

Picture is a representation of actual product.

## Load Cell Approvals



## Order Information

| Load Rating (Per Module)                 | Part # | Price      |
|--|--------|------------|
| <b>3-Module Kit (Includes Load Cell)</b> |        |            |
| 5,000 kg                                 | 66208  | \$6,355.00 |
| 10,000 kg                                | 66209  | \$6,355.00 |
| 20,000 kg                                | 66210  | \$7,200.00 |
| 30,000 kg                                | 66211  | \$7,200.00 |
| <b>4-Module Kit (Includes Load Cell)</b> |        |            |
| 5,000 kg                                 | 66212  | \$8,369.00 |
| 10,000 kg                                | 66213  | \$8,369.00 |
| 20,000 kg                                | 66214  | \$9,672.00 |
| 30,000 kg                                | 66215  | \$9,672.00 |

## Replacement Mount Parts

| Load Rating (Per Module)      | Part # | Price    |
|-------------------------------|--------|----------|
| Saddle 5 t to 10 t            | 170879 | \$132.00 |
| Rolling cylinder 5 t to 10 t  | 170882 | \$111.00 |
| Load adaptor 5 t              | 170880 | \$117.00 |
| Load adaptor 10 t             | 170881 | \$165.00 |
| Rubber boot 5 t to 10 t       | 171211 | \$37.00  |
| Saddle 20 t to 30 t           | 170884 | \$127.00 |
| Rolling cylinder 20 t to 30 t | 170885 | \$58.00  |
| Load adaptor 20 t to 30 t     | 170883 | \$111.00 |
| Rubber boot 20 t to 30 t      | 171212 | \$32.00  |

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four 220 stainless steel compression mounts
- Three or four 220 stainless steel hermetically sealed compression disk load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 5,000 to 30,000 kg
- Matched output load cells eliminate trimming
- 304 stainless steel construction
- Hermetically sealed, IP68 stainless steel load cells
- Easy load cell replacement
- Integral jacking/shipping bolts

## Applications

- Medium- to high-capacity tanks, bins and hoppers
- Washdown applications
- Process control and batch weighing

## Specifications

### Full Scale Output:

2.0 mV/V

### Bridge Resistance:

1,000 ohm nominal

### Material/Finish:

Stainless Steel

### Operating Temperature Range:

14 °F to 104 °F (-10 °C to 40 °C)

### Seal Type:

Hermetically sealed, IP68

### Safe Overload:

150% at center loading point, full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.020% full scale

### Insulation Resistance:

2,000 megaohm

### Cable Length:

5,000 kg: 5 m  
10,000 to 20,000 kg: 10 m  
30,000 kg: 20 m

### Cable Color Code:

Blue +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Green +Sense  
Grey -Sense

### Warranty:

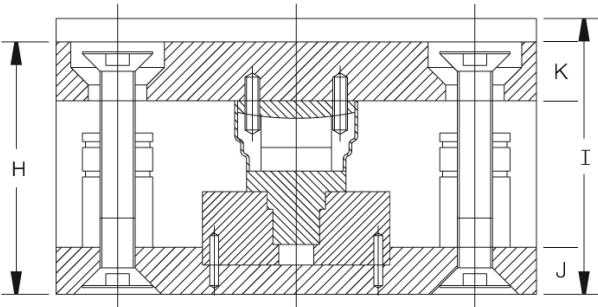
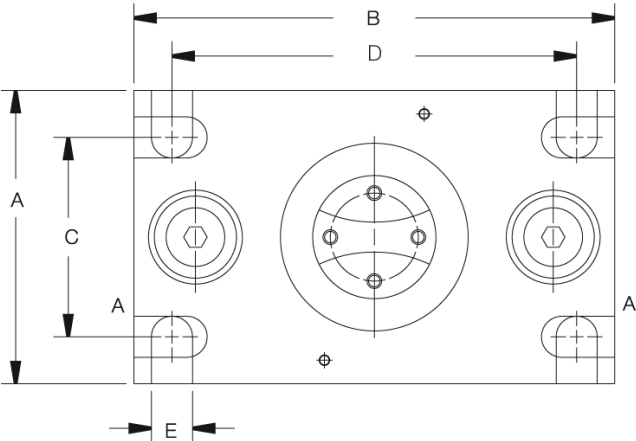
One-year limited

220 Universal Mount

Stainless Steel Weigh Modules, VPG Tedea-Huntleigh

Dimensions

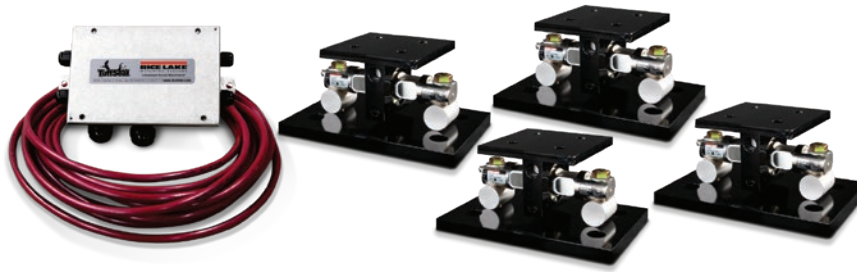
| Rated Capacity<br>kg/mm | A     | B     | C     | D     | E    | H     | I  | J    | K    |
|-------------------------|-------|-------|-------|-------|------|-------|--|------|------|
| 5,000 to 10,000         | 127.0 | 203.0 | 90.0  | 170.0 | 18.0 | 107.0 | Load Cell Replacement Height: 118.0<br>Operating Height: 107.0 | 19.1 | 25.4 |
| 20,000 to 30,000        | 152.0 | 245.0 | 115.0 | 208.0 | 24.0 | 148.0 | Load Cell Replacement Height: 156.0<br>Operating Height: 148.1 | 31.8 | 25.4 |



WEIGH MODULES

# EZ Mount 1 with RL72020

Mild Steel Weigh Modules, Rice Lake Weighing Systems



Module with  
RL72020 double-ended  
shear beam load cell

Picture is a representation of actual product.

## Load Cell Approvals



## Order Information

| Load Rating<br>(Per Module)                       | Part #        | Price       |
|---|---------------|-------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |               |             |
| 5,000 lb to 20,000 lb                             | <b>17823</b>  | \$360.00    |
| 30,000 lb to 60,000 lb                            | <b>17824</b>  | \$975.00    |
| 100,000 lb  | <b>17850</b>  | \$1,340.00  |
| 150,000 lb  | <b>29012</b>  | \$1,340.00  |
| 200,000 lb to 250,000 lb                          | <b>26068</b>  | \$3,060.00  |
| <b>3-Module Kit</b>                               |               |             |
| 5,000 lb  | <b>208881</b> | \$3,310.00  |
| 10,000 lb   | <b>208882</b> | \$3,310.00  |
| 20,000 lb   | <b>208883</b> | \$3,310.00  |
| 30,000 lb   | <b>208884</b> | \$5,350.00  |
| 40,000 lb   | <b>208885</b> | \$5,350.00  |
| 50,000 lb   | <b>208886</b> | \$5,350.00  |
| 60,000 lb   | <b>208887</b> | \$5,350.00  |
| 100,000 lb  | <b>208888</b> | \$8,620.00  |
| 150,000 lb  | <b>208889</b> | \$8,620.00  |
| <b>4-Module Kit</b>                               |               |             |
| 5,000 lb  | <b>208892</b> | \$4,300.00  |
| 10,000 lb   | <b>208893</b> | \$4,300.00  |
| 20,000 lb   | <b>208894</b> | \$4,300.00  |
| 30,000 lb   | <b>208895</b> | \$6,765.00  |
| 40,000 lb   | <b>208896</b> | \$6,765.00  |
| 50,000 lb   | <b>208897</b> | \$6,765.00  |
| 60,000 lb   | <b>208898</b> | \$6,765.00  |
| 100,000 lb  | <b>208899</b> | \$11,205.00 |
| 150,000 lb  | <b>208900</b> | \$11,205.00 |

## VPG Revere 5103

## Order Information

| Load Rating<br>(Per Module) | Part #        | Price       |
|-----------------------------|---------------|-------------|
| <b>3-Module Kit</b>         |               |             |
| 5,000 lb                    | <b>18175</b>  | \$3,420.00  |
| 10,000 lb                   | <b>18176</b>  | \$3,420.00  |
| 20,000 lb                   | <b>18177</b>  | \$3,420.00  |
| 30,000 lb                   | <b>32169</b>  | \$5,465.00  |
| 40,000 lb                   | <b>32171</b>  | \$5,465.00  |
| 50,000 lb                   | <b>18178</b>  | \$5,625.00  |
| 60,000 lb                   | <b>18179</b>  | \$5,625.00  |
| 100,000 lb                  | <b>18180</b>  | \$8,735.00  |
| 150,000 lb                  | <b>18181</b>  | \$8,735.00  |
| <b>4-Module Kit</b>         |               |             |
| 5,000 lb                    | <b>18182</b>  | \$4,410.00  |
| 10,000 lb                   | <b>18183</b>  | \$4,410.00  |
| 20,000 lb                   | <b>18184</b>  | \$4,410.00  |
| 30,000 lb                   | <b>32170</b>  | \$6,920.00  |
| 40,000 lb                   | <b>32172</b>  | \$6,920.00  |
| 50,000 lb                   | <b>18185</b>  | \$6,920.00  |
| 60,000 lb                   | <b>18186</b>  | \$6,920.00  |
| 100,000 lb                  | <b>18187</b>  | \$11,380.00 |
| 150,000 lb                  | <b>18188</b>  | \$11,380.00 |
| <b>Dummy Load Cells</b>     |               |             |
| 5,000 lb to 20,000 lb       | <b>33749</b>  | \$90.00     |
| 30,000 lb to 60,000 lb      | <b>74016</b>  | \$122.00    |
| 100,000 lb                  | <b>94175</b>  | \$265.00    |
| 150,000 lb                  | <b>158715</b> | \$265.00    |
| <b>Grounding Kit</b>        |               |             |
| 5,000 lb to 60,000 lb       | <b>126419</b> | \$21.00     |

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four EZ Mount 1 mild steel compression mounts
- Three or four RL72020 double-ended shear beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 5,000 to 250,000 lb
- NTEP Certified load cells
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- Painted mild steel construction

## Optional Features

- Kits available with VPG® Revere 5103 load cell, capacities in 5,000 to 150,000 lb

## Applications

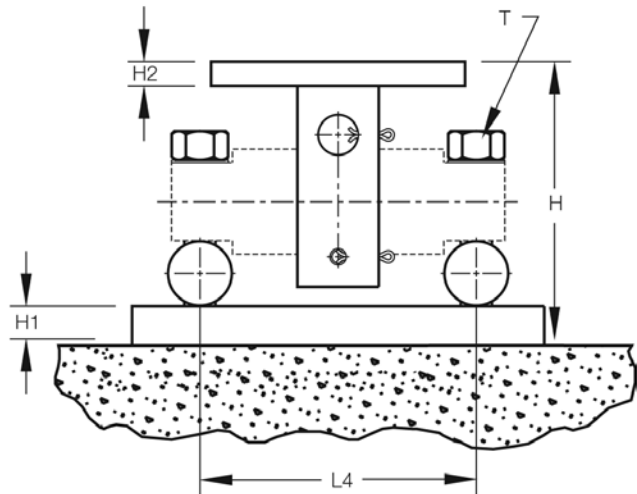
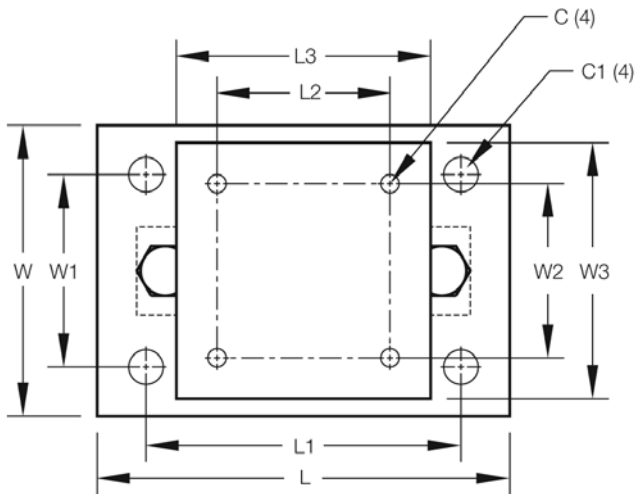
- Medium- to heavy-capacity tank and hopper weighing applications

# EZ Mount 1 with RL72020

Mild Steel Weigh Modules, Rice Lake Weighing Systems

## Dimensions

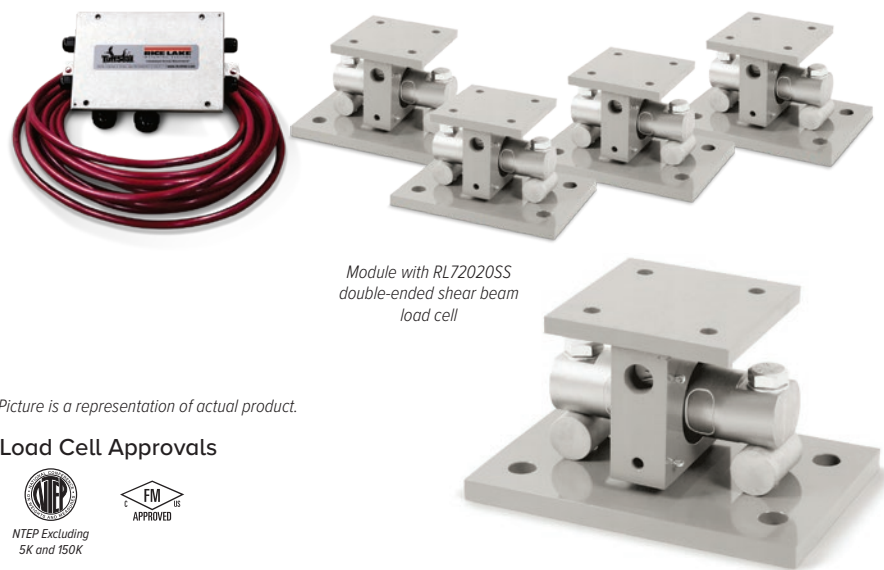
| Rated Capacity     | C    | C1   | H     | H1   | H2   | L     | L1    | L2   | L3    | L4    | T            | W     | W1   | W2   | W3    |
|--------------------|------|------|-------|------|------|-------|-------|------|-------|-------|--------------|-------|------|------|-------|
| lb/in              |      |      |       |      |      |       |       |      |       |       |              |       |      |      |       |
| 5,000 to 20,000    | 0.56 | 1.06 | 5.31  | 0.75 | 0.50 | 11.00 | 8.00  | 3.00 | 6.00  | 6.87  | 5/8-18 UNF   | 7.50  | 4.00 | 3.00 | 6.00  |
| 30,000 to 60,000   | 0.68 | 1.19 | 8.43  | 1.00 | 0.75 | 15.00 | 11.50 | 5.12 | 8.00  | 8.50  | 1-14 UNS     | 10.00 | 6.00 | 5.12 | 8.00  |
| 100,000 to 150,000 | 0.81 | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50 | 10.00 | 9.50  | 1-14 UNS     | 12.00 | 9.00 | 7.50 | 10.00 |
| 200,000 to 250,000 | 1.06 | 1.88 | 16.75 | 2.00 | 2.00 | 26.00 | 20.00 | 9.00 | 12.00 | 13.00 | 1 1/2-12 UNS | 12.00 | 6.00 | 9.00 | 12.00 |



WEIGH MODULES

# EZ Mount 1 SS with RL72020SS

Stainless Steel Weigh Modules, Rice Lake Weighing Systems



Module with RL72020SS  
double-ended shear beam  
load cell

Picture is a representation of actual product.

## Load Cell Approvals



NTEP Excluding  
5K and 150K



## Order Information

| Load Rating<br>(Per Module)                | Part # | Price       |
|--|--------|-------------|
| Single Module (Does NOT Include Load Cell) |        |             |
| 5,000 lb to 20,000 lb                      | 17943  | \$885.00    |
| 30,000 lb to 60,000 lb                     | 17944  | \$2,450.00  |
| 100,000 lb                                 | 17945  | \$4,480.00  |
| 150,000 lb                                 | 29011  | \$4,480.00  |
| 3-Module Kit                               |        |             |
| 5,000 lb*                                  | 208914 | \$5,290.00  |
| 10,000 lb                                  | 208917 | \$5,290.00  |
| 20,000 lb                                  | 208918 | \$5,290.00  |
| 30,000 lb                                  | 208919 | \$10,640.00 |
| 40,000 lb                                  | 208920 | \$10,640.00 |
| 50,000 lb                                  | 208921 | \$10,640.00 |
| 60,000 lb                                  | 208922 | \$10,640.00 |
| 100,000 lb                                 | 208923 | \$19,570.00 |
| 150,000 lb*                                | 208924 | \$19,570.00 |

\* Non-NTEP Certified

| Load Rating<br>(Per Module)   | Part # | Price       |
|-------------------------------|--------|-------------|
| 4-Module Kit                  |        |             |
| 5,000 lb*                     | 208925 | \$6,865.00  |
| 10,000 lb                     | 208926 | \$6,865.00  |
| 20,000 lb                     | 208927 | \$6,865.00  |
| 30,000 lb                     | 208928 | \$14,010.00 |
| 40,000 lb                     | 208929 | \$14,010.00 |
| 50,000 lb                     | 208930 | \$14,010.00 |
| 60,000 lb                     | 208931 | \$14,010.00 |
| 100,000 lb                    | 208932 | \$26,030.00 |
| 150,000 lb*                   | 208933 | \$26,030.00 |
| Dummy Load Cells (Mild Steel) |        |             |
| 5,000 lb to 20,000 lb         | 33749  | \$90.00     |
| 30,000 lb to 60,000 lb        | 74016  | \$122.00    |
| 100,000 lb                    | 94175  | \$265.00    |
| 150,000 lb                    | 158715 | \$265.00    |
| Grounding Kit                 |        |             |
| 5,000 lb-60,000 lb            | 126419 | \$21.00     |

Includes ground strap and mounting hardware per mount

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four EZ Mount 1 stainless steel compression mounts
- Three or four RL72020SS stainless steel double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 5,000 to 150,000 lb
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- 304 stainless steel construction

## Optional Features

- Kits available with VPG Revere 9103 load cell, capacities in 5,000 to 150,000 lb

## Applications

- Medium to heavy-capacity tank and hopper weighing applications

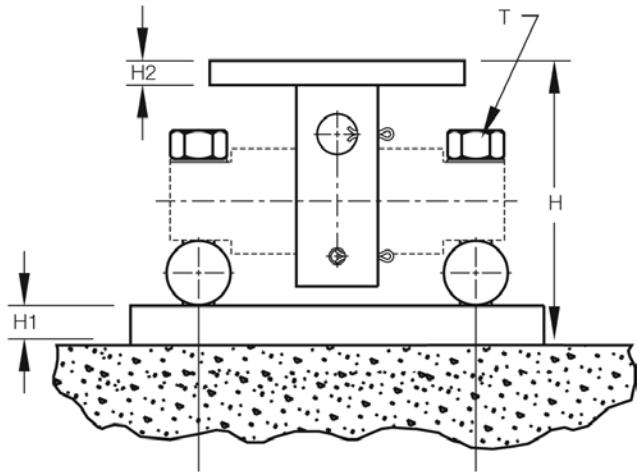
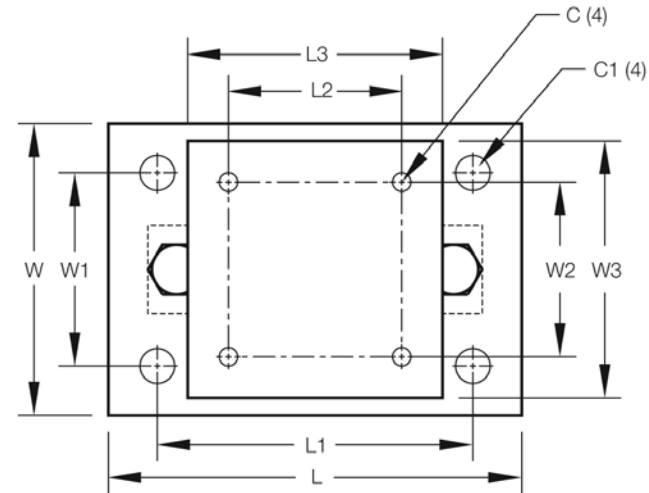
WEIGH MODULES

# EZ Mount 1 SS with RL72020SS

Stainless Steel Weigh Modules, Rice Lake Weighing Systems

## Dimensions

| Rated Capacity     | C    | C1   | H     | H1   | H2   | L     | L1    | L2   | L3    | L4   | T          | W     | W1   | W2   | W3    |
|--------------------|------|------|-------|------|------|-------|-------|------|-------|------|------------|-------|------|------|-------|
| lb/in              |      |      |       |      |      |       |       |      |       |      |            |       |      |      |       |
| 5,000 to 20,000    | 0.56 | 1.06 | 5.31  | 0.75 | 0.50 | 11.00 | 8.00  | 3.00 | 6.00  | 6.87 | 5/8-18 UNF | 7.50  | 4.00 | 3.00 | 6.00  |
| 30,000 to 60,000   | 0.68 | 1.19 | 8.43  | 1.00 | 0.75 | 15.00 | 11.50 | 5.12 | 8.00  | 8.50 | 1-14 UNS   | 10.00 | 6.00 | 5.12 | 8.00  |
| 100,000 to 150,000 | 0.81 | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50 | 10.00 | 9.50 | 1-14 UNS   | 12.00 | 9.00 | 7.50 | 10.00 |

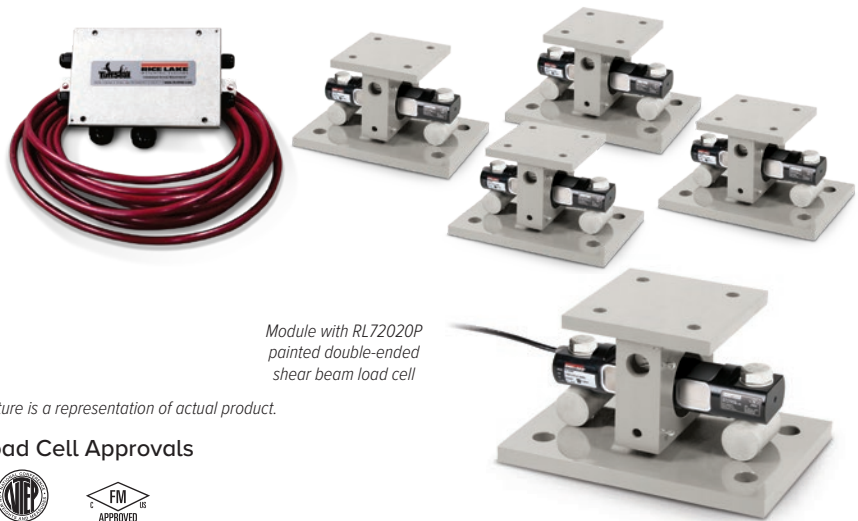


WEIGH MODULES



# EZ Mount 1 with Painted RL72020P

Rice Lake Weighing Systems



Module with RL72020P painted double-ended shear beam load cell

Picture is a representation of actual product.

## Load Cell Approvals



## Order Information

| Load Rating (Per Module)                   | Part # | Price       |
|--|--------|-------------|
| Single Module (Does NOT Include Load Cell) |        |             |
| 5,000 lb to 20,000 lb                      | 17943  | \$885.00    |
| 30,000 lb to 60,000 lb                     | 17944  | \$2,450.00  |
| 100,000 lb                                 | 17945  | \$4,480.00  |
| 150,000 lb                                 | 29011  | \$4,480.00  |
| 3-Module Kit                               |        |             |
| 5,000 lb                                   | 208957 | \$4,775.00  |
| 10,000 lb                                  | 208959 | \$4,775.00  |
| 20,000 lb                                  | 208961 | \$4,775.00  |
| 30,000 lb                                  | 208963 | \$9,895.00  |
| 40,000 lb                                  | 208965 | \$9,895.00  |
| 50,000 lb                                  | 208967 | \$9,895.00  |
| 60,000 lb                                  | 208969 | \$9,895.00  |
| 100,000 lb                                 | 208971 | \$18,515.00 |
| 150,000 lb                                 | 208973 | \$18,515.00 |

| Load Rating (Per Module)      | Part # | Price       |
|-------------------------------|--------|-------------|
| 4-Module Kit                  |        |             |
| 5,000 lb                      | 208958 | \$6,380.00  |
| 10,000 lb                     | 208960 | \$6,380.00  |
| 20,000 lb                     | 208962 | \$6,380.00  |
| 30,000 lb                     | 208964 | \$13,195.00 |
| 40,000 lb                     | 208966 | \$13,195.00 |
| 50,000 lb                     | 208968 | \$13,195.00 |
| 60,000 lb                     | 208970 | \$13,195.00 |
| 100,000 lb                    | 208972 | \$24,650.00 |
| 150,000 lb                    | 208974 | \$24,650.00 |
| Dummy Load Cells (Mild Steel) |        |             |
| 5,000 lb to 20,000 lb         | 33749  | \$90.00     |
| 30,000 lb to 60,000 lb        | 74016  | \$122.00    |
| 100,000 lb                    | 94175  | \$265.00    |
| 150,000 lb                    | 158715 | \$265.00    |
| Grounding Kit                 |        |             |
| 5,000 lb-60,000 lb            | 126419 | \$21.00     |

Includes ground strap and mounting hardware per mount

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four EZ Mount 1 stainless steel compression mounts
- Three or four RL72020P alloy painted double-ended shear beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR load cell cable

## Standard Features

- Capacities (per module): 5,000 to 150,000 lb
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- 304 stainless steel construction (mount)

## Applications

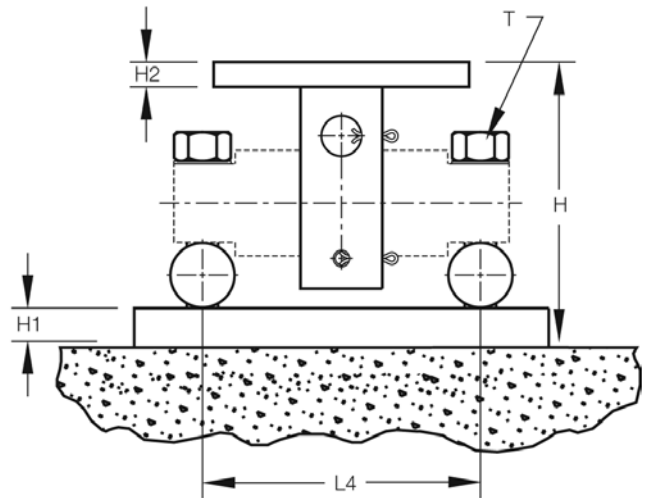
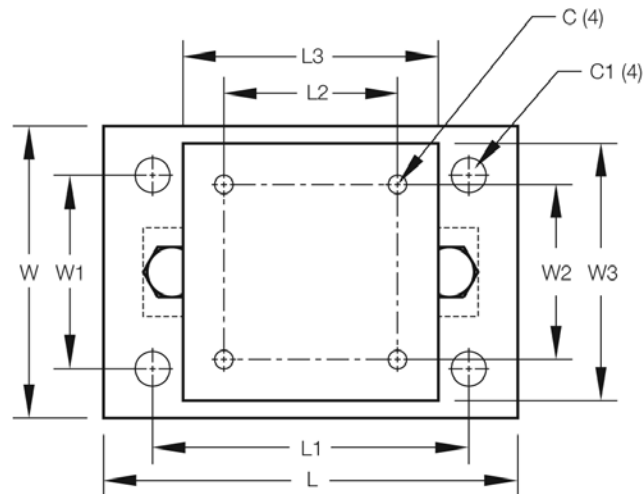
- Medium- to heavy-capacity tank and fertilizer hopper weighing applications

# EZ Mount 1 with Painted RL72020P

Rice Lake Weighing Systems

## Dimensions

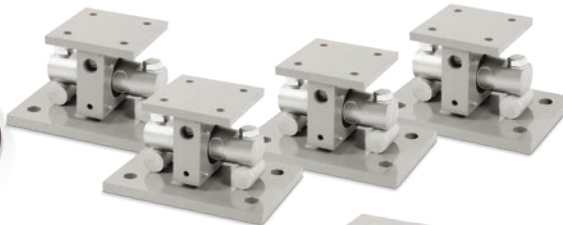
| Rated Capacity     | C    | C1   | H     | H1   | H2   | L     | L1    | L2   | L3    | L4   | T          | W     | W1   | W2   | W3    |
|--------------------|------|------|-------|------|------|-------|-------|------|-------|------|------------|-------|------|------|-------|
| lb/in              |      |      |       |      |      |       |       |      |       |      |            |       |      |      |       |
| 5,000 to 20,000    | 0.56 | 1.06 | 5.31  | 0.75 | 0.50 | 11.00 | 8.00  | 3.00 | 6.00  | 6.87 | 5/8-18 UNF | 7.50  | 4.00 | 3.00 | 6.00  |
| 30,000 to 60,000   | 0.68 | 1.19 | 8.43  | 1.00 | 0.75 | 15.00 | 11.50 | 5.12 | 8.00  | 8.50 | 1-14 UNS   | 10.00 | 6.00 | 5.12 | 8.00  |
| 100,000 to 150,000 | 0.81 | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50 | 10.00 | 9.50 | 1-14 UNS   | 12.00 | 9.00 | 7.50 | 10.00 |



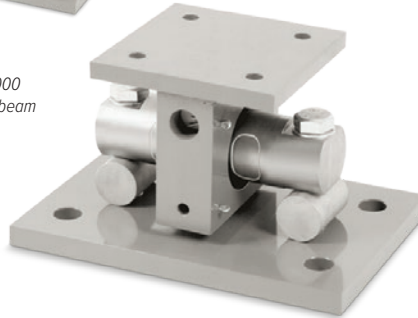
WEIGH MODULES

# EZ Mount 1 with RL70000

Mild Steel Weigh Modules, Rice Lake Weighing Systems



Module with RL70000  
double-ended shear beam  
load cell



Picture is a representation of actual product.

## Load Cell Approvals



## Order Information

| Load Rating (Per Module)                          | Part #       | Price       |
|---|--------------|-------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |              |             |
| 5,000 lb to 20,000 lb                             | <b>17823</b> | \$360.00    |
| 30,000 lb to 60,000 lb                            | <b>17824</b> | \$975.00    |
| 100,000 lb  | <b>17850</b> | \$1,340.00  |
| 150,000 lb  | <b>29012</b> | \$1,340.00  |
| 200,000 lb-250,000 lb                             | <b>26068</b> | \$3,060.00  |
| <b>3-Module Kit</b>                               |              |             |
| 5,000 lb  | <b>18163</b> | \$3,265.00  |
| 10,000 lb   | <b>18164</b> | \$3,310.00  |
| 20,000 lb   | <b>18165</b> | \$3,310.00  |
| 30,000 lb   | <b>32164</b> | \$5,350.00  |
| 40,000 lb   | <b>32167</b> | \$5,350.00  |
| 50,000 lb   | <b>18166</b> | \$5,350.00  |
| 60,000 lb   | <b>18167</b> | \$5,350.00  |
| 100,000 lb  | <b>18168</b> | \$8,620.00  |
| 150,000 lb  | <b>43290</b> | \$8,620.00  |
| <b>4-Module Kit</b>                               |              |             |
| 5,000 lb  | <b>18169</b> | \$4,240.00  |
| 10,000 lb   | <b>18170</b> | \$4,300.00  |
| 20,000 lb   | <b>18171</b> | \$4,240.00  |
| 30,000 lb   | <b>32165</b> | \$6,765.00  |
| 40,000 lb   | <b>32166</b> | \$6,765.00  |
| 50,000 lb   | <b>18172</b> | \$6,765.00  |
| 60,000 lb   | <b>18173</b> | \$6,765.00  |
| 100,000 lb  | <b>18174</b> | \$11,245.00 |
| 150,000 lb  | <b>43291</b> | \$11,245.00 |

## VPG Revere 5103 Order Information

| Load Rating (Per Module) | Part #        | Price       |
|--------------------------|---------------|-------------|
| <b>3-Module Kit</b>      |               |             |
| 5,000 lb                 | <b>18175</b>  | \$3,420.00  |
| 10,000 lb                | <b>18176</b>  | \$3,420.00  |
| 20,000 lb                | <b>18177</b>  | \$3,420.00  |
| 30,000 lb                | <b>32169</b>  | \$5,465.00  |
| 40,000 lb                | <b>32171</b>  | \$5,465.00  |
| 50,000 lb                | <b>18178</b>  | \$5,625.00  |
| 60,000 lb                | <b>18179</b>  | \$5,625.00  |
| 100,000 lb               | <b>18180</b>  | \$8,735.00  |
| 150,000 lb               | <b>18181</b>  | \$8,735.00  |
| <b>4-Module Kit</b>      |               |             |
| 5,000 lb                 | <b>18182</b>  | \$4,410.00  |
| 10,000 lb                | <b>18183</b>  | \$4,410.00  |
| 20,000 lb                | <b>18184</b>  | \$4,410.00  |
| 30,000 lb                | <b>32170</b>  | \$6,920.00  |
| 40,000 lb                | <b>32172</b>  | \$6,920.00  |
| 50,000 lb                | <b>18185</b>  | \$6,920.00  |
| 60,000 lb                | <b>18186</b>  | \$6,920.00  |
| 100,000 lb               | <b>18187</b>  | \$11,380.00 |
| 150,000 lb               | <b>18188</b>  | \$11,380.00 |
| <b>Dummy Load Cells</b>  |               |             |
| 5,000 lb to 20,000 lb    | <b>33749</b>  | \$90.00     |
| 30,000 lb to 60,000 lb   | <b>74016</b>  | \$122.00    |
| 100,000 lb               | <b>94175</b>  | \$265.00    |
| 150,000 lb               | <b>158715</b> | \$265.00    |
| <b>Grounding Kit</b>     |               |             |
| 5,000 lb to 60,000 lb    | <b>126419</b> | \$21.00     |

Includes ground strap and mounting hardware per mount

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four EZ Mount 1 mild steel compression mounts
- Three or four RL70000 double-ended shear beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 5,000 to 250,000 lb
- NTEP Certified load cells
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- Painted mild steel construction

## Optional Features

- Kits available with VPG® Revere 5103 load cell, capacities in 5,000 to 150,000 lb

## Applications

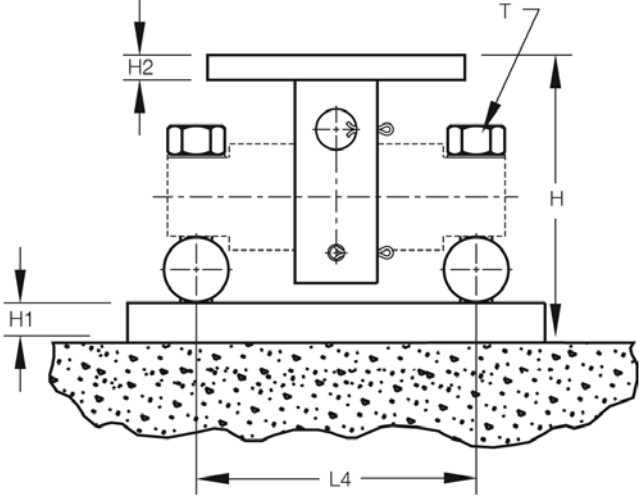
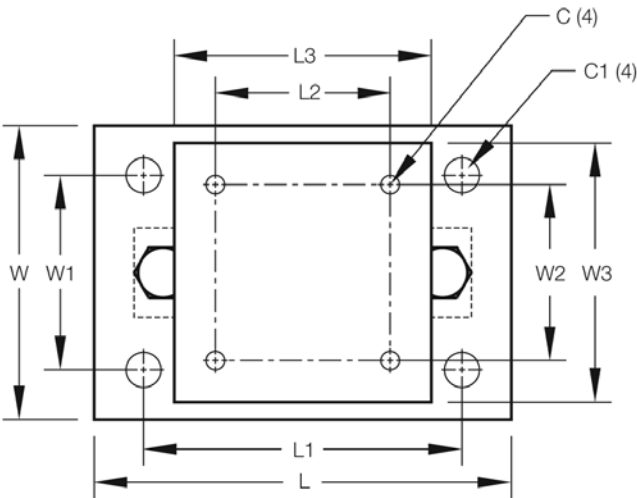
- Medium- to heavy-capacity tank and hopper weighing applications

# EZ Mount 1 with RL70000

Mild Steel Weigh Modules, Rice Lake Weighing Systems

## Dimensions

| Rated Capacity     | C    | C1   | H     | H1   | H2   | L     | L1    | L2   | L3    | L4    | T            | W     | W1   | W2   | W3    |
|--------------------|------|------|-------|------|------|-------|-------|------|-------|-------|--------------|-------|------|------|-------|
| lb/in              |      |      |       |      |      |       |       |      |       |       |              |       |      |      |       |
| 5,000 to 20,000    | 0.56 | 1.06 | 5.31  | 0.75 | 0.50 | 11.00 | 8.00  | 3.00 | 6.00  | 6.87  | 5/8-18 UNF   | 7.50  | 4.00 | 3.00 | 6.00  |
| 30,000 to 60,000   | 0.68 | 1.19 | 8.43  | 1.00 | 0.75 | 15.00 | 11.50 | 5.12 | 8.00  | 8.50  | 1-14 UNS     | 10.00 | 6.00 | 5.12 | 8.00  |
| 100,000 to 150,000 | 0.81 | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50 | 10.00 | 9.50  | 1-14 UNS     | 12.00 | 9.00 | 7.50 | 10.00 |
| 200,000 to 250,000 | 1.06 | 1.88 | 16.75 | 2.00 | 2.00 | 26.00 | 20.00 | 9.00 | 12.00 | 13.00 | 1 1/2-12 UNS | 12.00 | 6.00 | 9.00 | 12.00 |

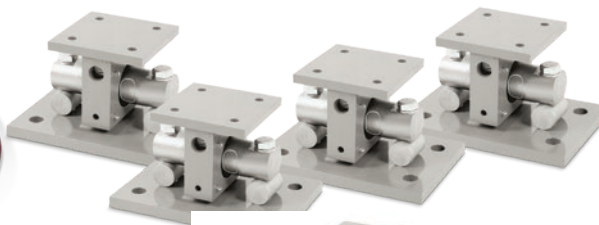


WEIGH MODULES

# EZ Mount 1 with RL70000SS

Stainless Steel Weigh Modules, Rice Lake Weighing Systems

**Discontinued**  
Limited Stock Available



Picture is a representation of actual product.

Module with RL70000SS  
double-ended shear beam  
load cell

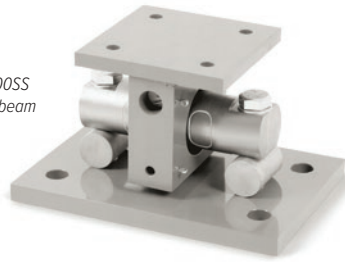
## Load Cell Approvals



NTEP Excluding  
5K and 150K



APPROVED



## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four EZ Mount 1 stainless steel compression mounts
- Three or four RL70000SS stainless steel double-ended shear beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 5,000 to 150,000 lb
- Unique sliding pin design compensates for thermal expansion/contraction
- NTEP Certified load cells (10 to 100 K)
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- 304 stainless steel construction

## Optional Features

- Kits available with VPG Revere 9103 load cell, capacities in 5,000 to 150,000 lb

## Applications

- Medium to heavy-capacity tank and hopper weighing applications

## Order Information

| Load Rating (Per Module)                          | Part #       | Price       |
|---|--------------|-------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |              |             |
| 5,000 lb to 20,000 lb                             | <b>17943</b> | \$885.00    |
| 30,000 lb to 60,000 lb                            | <b>17944</b> | \$2,450.00  |
| 100,000 lb  | <b>17945</b> | \$4,480.00  |
| 150,000 lb  | <b>29011</b> | \$4,480.00  |
| <b>3-Module Kit</b>                               |              |             |
| 5,000 lb*   | <b>36195</b> | \$5,065.00  |
| 10,000 lb   | <b>36196</b> | \$5,065.00  |
| 20,000 lb   | <b>36197</b> | \$5,065.00  |
| 30,000 lb   | <b>36198</b> | \$9,582.00  |
| 40,000 lb   | <b>36199</b> | \$9,940.00  |
| 50,000 lb   | <b>36200</b> | \$9,940.00  |
| 60,000 lb   | <b>36201</b> | \$9,940.00  |
| 100,000 lb  | <b>36202</b> | \$18,500.00 |
| 150,000 lb*                                       | <b>43288</b> | \$18,500.00 |

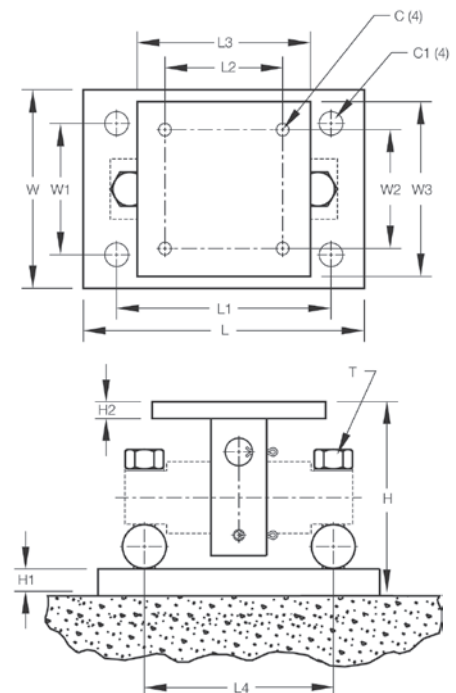
\* Non-NTEP Certified

| Load Rating (Per Module)             | Part #        | Price       |
|--------------------------------------|---------------|-------------|
| <b>4-Module Kit</b>                  |               |             |
| 5,000 lb*                            | <b>36203</b>  | \$6,785.00  |
| 10,000 lb                            | <b>36204</b>  | \$6,625.00  |
| 20,000 lb                            | <b>36205</b>  | \$6,625.00  |
| 30,000 lb                            | <b>36206</b>  | \$13,010.00 |
| 40,000 lb                            | <b>36207</b>  | \$13,490.00 |
| 50,000 lb                            | <b>36208</b>  | \$13,317.00 |
| 60,000 lb                            | <b>36209</b>  | \$13,490.00 |
| 100,000 lb                           | <b>36210</b>  | \$26,030.00 |
| 150,000 lb*                          | <b>43289</b>  | \$26,030.00 |
| <b>Dummy Load Cells (Mild Steel)</b> |               |             |
| 5,000 lb to 20,000 lb                | <b>33749</b>  | \$90.00     |
| 30,000 lb to 60,000 lb               | <b>74016</b>  | \$122.00    |
| 100,000 lb                           | <b>94175</b>  | \$265.00    |
| 150,000 lb                           | <b>158715</b> | \$265.00    |
| <b>Grounding Kit</b>                 |               |             |
| 5,000 lb to 60,000 lb                | <b>126419</b> | \$21.00     |

Includes ground strap and mounting hardware per mount

## Dimensions

| Rated Capacity     | C    | C1   | H     | H1   | H2   | L     | L1    | L2   | L3    | L4   | T          | W     | W1   | W2   | W3    |
|--------------------|------|------|-------|------|------|-------|-------|------|-------|------|------------|-------|------|------|-------|
| lb/in              |      |      |       |      |      |       |       |      |       |      |            |       |      |      |       |
| 5,000 to 20,000    | 0.56 | 1.06 | 5.31  | 0.75 | 0.50 | 11.00 | 8.00  | 3.00 | 6.00  | 6.87 | 5/8-18 UNF | 7.50  | 4.00 | 3.00 | 6.00  |
| 30,000 to 60,000   | 0.68 | 1.19 | 8.43  | 1.00 | 0.75 | 15.00 | 11.50 | 5.12 | 8.00  | 8.50 | 1-14 UNS   | 10.00 | 6.00 | 5.12 | 8.00  |
| 100,000 to 150,000 | 0.81 | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50 | 10.00 | 9.50 | 1-14 UNS   | 12.00 | 9.00 | 7.50 | 10.00 |





# EZ Mount 1 with Painted RL70000

Rice Lake Weighing Systems



Module with RL70000 painted double-ended shear beam load cell

Available in configurations with three or four mounting assemblies. Picture is a representation of actual product.

## Load Cell Approvals



## Order Information

| Load Rating (Per Module)                          | Part #        | Price       |
|---|---------------|-------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |               |             |
| 5,000 lb to 20,000 lb                             | <b>17943</b>  | \$885.00    |
| 30,000 lb to 60,000 lb                            | <b>17944</b>  | \$2,450.00  |
| 100,000 lb  | <b>17945</b>  | \$4,480.00  |
| 150,000 lb  | <b>29011</b>  | \$4,480.00  |
| <b>3-Module Kit</b>                               |               |             |
| 5,000 lb*   | <b>207819</b> | \$4,775.00  |
| 10,000 lb   | <b>207820</b> | \$4,775.00  |
| 20,000 lb   | <b>207821</b> | \$4,775.00  |
| 30,000 lb   | <b>207822</b> | \$9,895.00  |
| 40,000 lb   | <b>207823</b> | \$9,895.00  |
| 50,000 lb   | <b>207824</b> | \$9,895.00  |
| 60,000 lb   | <b>207825</b> | \$9,895.00  |
| 100,000 lb  | <b>207826</b> | \$18,515.00 |
| 150,000 lb*                                       | <b>207827</b> | \$18,515.00 |

\* Non-NTEP Certified

| Load Rating (Per Module)             | Part #        | Price       |
|--------------------------------------|---------------|-------------|
| <b>4-Module Kit</b>                  |               |             |
| 5,000 lb*                            | <b>207829</b> | \$6,385.00  |
| 10,000 lb                            | <b>207830</b> | \$6,385.00  |
| 20,000 lb                            | <b>207831</b> | \$6,385.00  |
| 30,000 lb                            | <b>207832</b> | \$13,195.00 |
| 40,000 lb                            | <b>207833</b> | \$13,195.00 |
| 50,000 lb                            | <b>207834</b> | \$13,195.00 |
| 60,000 lb                            | <b>207835</b> | \$13,195.00 |
| 100,000 lb                           | <b>207836</b> | \$24,650.00 |
| 150,000 lb*                          | <b>207837</b> | \$24,650.00 |
| <b>Dummy Load Cells (Mild Steel)</b> |               |             |
| 5,000 lb to 20,000 lb                | <b>33749</b>  | \$90.00     |
| 30,000 lb to 60,000 lb               | <b>74016</b>  | \$122.00    |
| 100,000 lb                           | <b>94175</b>  | \$265.00    |
| 150,000 lb                           | <b>158715</b> | \$265.00    |
| <b>Grounding Kit</b>                 |               |             |
| 5,000 lb to 60,000 lb                | <b>126419</b> | \$21.00     |

Includes ground strap and mounting hardware per mount

## Dimensions

| Rated Capacity     | C    | C1   | H     | H1   | H2   | L     | L1    | L2   | L3    | L4   | T          | W     | W1   | W2   | W3    |
|--------------------|------|------|-------|------|------|-------|-------|------|-------|------|------------|-------|------|------|-------|
| lb/in              |      |      |       |      |      |       |       |      |       |      |            |       |      |      |       |
| 5,000 to 20,000    | 0.56 | 1.06 | 5.31  | 0.75 | 0.50 | 11.00 | 8.00  | 3.00 | 6.00  | 6.87 | 5/8-18 UNF | 7.50  | 4.00 | 3.00 | 6.00  |
| 30,000 to 60,000   | 0.68 | 1.19 | 8.43  | 1.00 | 0.75 | 15.00 | 11.50 | 5.12 | 8.00  | 8.50 | 1-14 UNS   | 10.00 | 6.00 | 5.12 | 8.00  |
| 100,000 to 150,000 | 0.81 | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50 | 10.00 | 9.50 | 1-14 UNS   | 12.00 | 9.00 | 7.50 | 10.00 |

## Complete Kit Includes

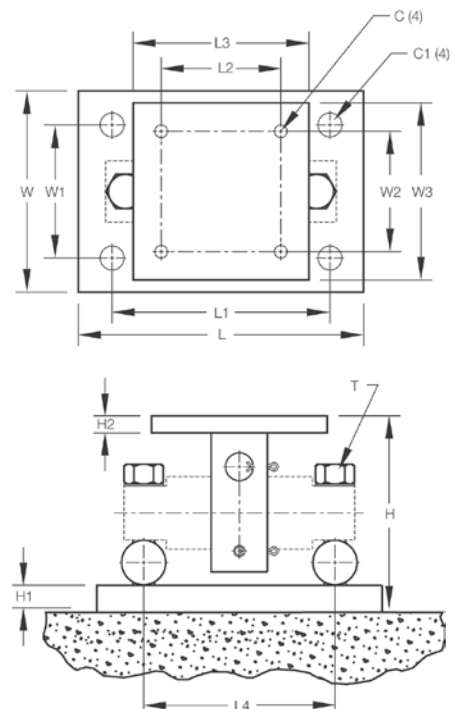
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four EZ Mount 1 stainless steel compression mounts
- Three or four RL70000 alloy painted double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 5,000 to 150,000 lb
- NTEP Certified load cells (5 to 100 k)
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- 304 stainless steel construction (mount)

## Applications

- Medium-to heavy-capacity tank and fertilizer hopper weighing applications

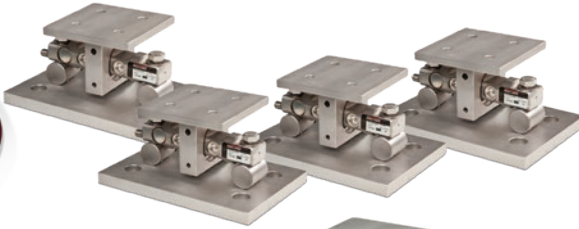


WEIGH MODULES

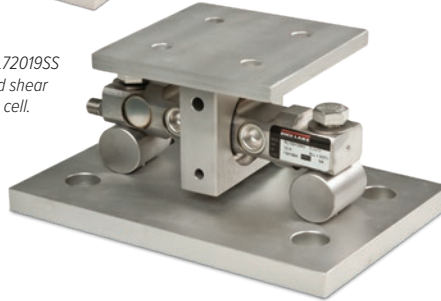


# EZ Mount 1 HE

Stainless Steel Weigh Modules, Rice Lake Weighing Systems



Module with RL72019SS double-ended shear beam load cell.



Picture is a representation of actual product.

## Load Cell Approvals



## Order Information

| Load Rating (Per Module)             | Part #        | Price       |
|--------------------------------------|---------------|-------------|
| <b>3-Module Kit</b>                  |               |             |
| 5,000 lb*                            | <b>46695</b>  | \$6,235.00  |
| 10,000 lb                            | <b>46696</b>  | \$6,235.00  |
| 20,000 lb                            | <b>46697</b>  | \$6,235.00  |
| 30,000 lb                            | <b>46698</b>  | \$12,375.00 |
| 40,000 lb                            | <b>46699</b>  | \$12,375.00 |
| 50,000 lb                            | <b>46700</b>  | \$12,375.00 |
| 60,000 lb                            | <b>46701</b>  | \$12,375.00 |
| <b>4-Module Kit</b>                  |               |             |
| 5,000 lb*                            | <b>46702</b>  | \$8,390.00  |
| 10,000 lb                            | <b>46703</b>  | \$8,390.00  |
| 20,000 lb                            | <b>46704</b>  | \$8,390.00  |
| 30,000 lb                            | <b>46705</b>  | \$16,175.00 |
| 40,000 lb                            | <b>46706</b>  | \$16,175.00 |
| 50,000 lb                            | <b>46707</b>  | \$16,175.00 |
| 60,000 lb                            | <b>46708</b>  | \$16,175.00 |
| <b>Dummy Load Cells (Mild Steel)</b> |               |             |
| 5,000 lb to 20,000 lb                | <b>33749</b>  | \$90.00     |
| 30,000 lb to 60,000 lb               | <b>74016</b>  | \$122.00    |
| <b>Grounding Kit</b>                 |               |             |
| 5,000 lb to 60,000 lb                | <b>126419</b> | \$21.00     |

Includes ground strap and mounting hardware  
\*Non-NTEP

## Shims

|  | Part #        | Price   |
|--|---------------|---------|
| <b>5,000 lb to 20,000 lb, Stainless Steel</b>    |               |         |
| 0.0625 in  | <b>150886</b> | \$12.00 |
| 0.125 in   | <b>150888</b> | \$18.00 |
| 0.250 in   | <b>150889</b> | \$29.00 |
| <b>30,000 lb to 60,000 lb, Stainless Steel</b>   |               |         |
| 0.0625 in  | <b>150890</b> | \$19.00 |
| 0.125 in   | <b>150891</b> | \$30.00 |
| 0.250 in   | <b>150892</b> | \$64.00 |
| <b>100,000 lb to 150,000 lb, Stainless Steel</b> |               |         |
| 0.0625 in  | <b>150893</b> | \$32.00 |
| 0.125 in   | <b>150894</b> | \$41.00 |
| 0.250 in   | <b>150896</b> | \$97.00 |
| <b>5,000 lb to 20,000 lb, Mild Steel</b>         |               |         |
| 0.0625 in  | <b>150874</b> | \$5.00  |
| 0.125 in   | <b>150876</b> | \$6.00  |
| 0.250 in   | <b>150877</b> | \$8.00  |
| <b>30,000 lb to 60,000 lb, Mild Steel</b>        |               |         |
| 0.0625 in  | <b>150878</b> | \$6.00  |
| 0.125 in   | <b>150880</b> | \$9.00  |
| 0.250 in   | <b>150881</b> | \$11.00 |
| <b>100,000 lb to 150,000 lb, Mild Steel</b>      |               |         |
| 0.0625 in  | <b>150882</b> | \$9.00  |
| 0.125 in   | <b>150884</b> | \$13.00 |
| 0.250 in   | <b>150885</b> | \$18.00 |

## Dimensions

| Rated Capacity   | C    | C1   | H    | H1   | H2   | L     | L1    | L2   | L3   | L4   | T          | W     | W1   | W2   | W3   |
|------------------|------|------|------|------|------|-------|-------|------|------|------|------------|-------|------|------|------|
| lb/in            |      |      |      |      |      |       |       |      |      |      |            |       |      |      |      |
| 5,000 to 20,000  | 0.56 | 1.06 | 5.31 | 0.75 | 0.50 | 11.00 | 8.00  | 3.00 | 6.00 | 6.87 | 5/8-18 UNF | 7.50  | 4.00 | 3.00 | 6.00 |
| 30,000 to 60,000 | 0.68 | 1.19 | 8.43 | 1.00 | 0.75 | 15.00 | 11.50 | 5.12 | 8.00 | 8.50 | 1-14 UNS   | 10.00 | 6.00 | 5.12 | 8.00 |

NOTES: Mounting bolts (T) may project on lower side of base plate. Foundation plate not included

## Complete Kit Includes

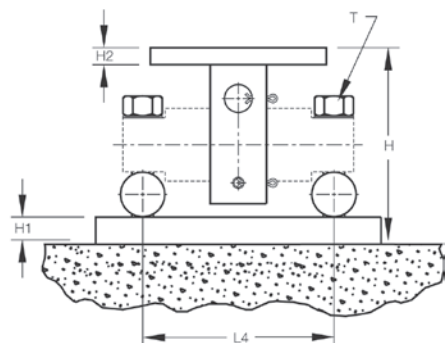
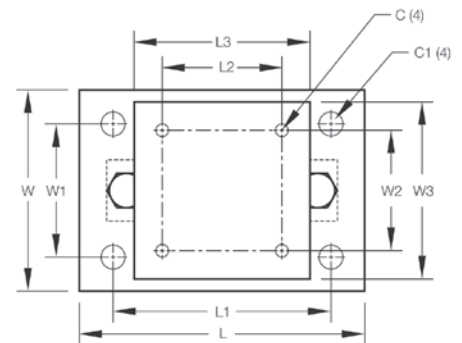
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four EZ Mount 1 stainless steel compression mounts
- Three or four RL72019SS welded sealed stainless steel double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 5,000 to 60,000 lb
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded, double-ended shear beam design
- Low-profile design
- 304 stainless steel construction

## Applications

- Medium- to heavy-capacity tank and hopper weighing applications

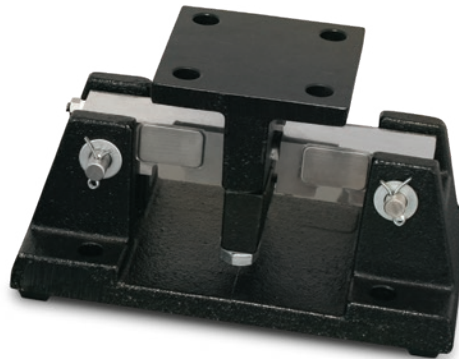


# RL1600 Series

Cast Iron Weigh Modules



Cast iron module with  
RL75016 double-ended  
beam load cell



Picture is a representation of actual product.

## Order Information

| Load Rating<br>(Per Module)                       | Part #       | Price      |
|---|--------------|------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |              |            |
| 1,000 lb to 5,000 lb                              | <b>17964</b> | \$185.00   |
| 10,000 lb to 25,000 lb                            | <b>17965</b> | \$357.00   |
| <b>3-Module Kit</b>                               |              |            |
| 1,000 lb  | <b>25663</b> | \$2,285.00 |
| 1,500 lb  | <b>25664</b> | \$2,285.00 |
| 2,000 lb  | <b>25665</b> | \$2,285.00 |
| 2,500 lb  | <b>25666</b> | \$2,285.00 |
| 3,000 lb  | <b>25667</b> | \$2,285.00 |
| 5,000 lb  | <b>25668</b> | \$2,285.00 |
| 10,000 lb   | <b>25669</b> | \$3,000.00 |
| 15,000 lb   | <b>25671</b> | \$3,000.00 |
| 20,000 lb   | <b>25672</b> | \$3,000.00 |
| 25,000 lb   | <b>25674</b> | \$3,000.00 |
| <b>4-Module Kit</b>                               |              |            |
| 1,000 lb  | <b>25675</b> | \$2,925.00 |
| 1,500 lb  | <b>25676</b> | \$2,925.00 |
| 2,000 lb  | <b>25677</b> | \$2,925.00 |
| 2,500 lb  | <b>25678</b> | \$2,925.00 |
| 3,000 lb  | <b>25679</b> | \$2,925.00 |
| 5,000 lb  | <b>25680</b> | \$2,925.00 |
| 10,000 lb   | <b>25681</b> | \$3,875.00 |
| 15,000 lb   | <b>25682</b> | \$3,875.00 |
| 20,000 lb   | <b>25683</b> | \$3,875.00 |
| 25,000 lb   | <b>25684</b> | \$3,875.00 |

## VPG Sensortronics 65016 Order Information

| Load Rating<br>(Per Module) | Part #       | Price      |
|-----------------------------|--------------|------------|
| <b>3-Module Kit</b>         |              |            |
| 1,000 lb                    | <b>25685</b> | \$2,685.00 |
| 1,500 lb                    | <b>25686</b> | \$2,685.00 |
| 2,500 lb                    | <b>25688</b> | \$2,685.00 |
| 5,000 lb                    | <b>25690</b> | \$2,685.00 |
| 10,000 lb                   | <b>25691</b> | \$3,400.00 |
| 15,000 lb                   | <b>25692</b> | \$3,400.00 |
| 20,000 lb                   | <b>25693</b> | \$3,400.00 |
| 25,000 lb                   | <b>25694</b> | \$3,400.00 |
| <b>4-Module Kit</b>         |              |            |
| 1,000 lb                    | <b>25695</b> | \$3,485.00 |
| 1,500 lb                    | <b>25696</b> | \$3,485.00 |
| 2,500 lb                    | <b>25698</b> | \$3,485.00 |
| 5,000 lb                    | <b>25700</b> | \$3,485.00 |
| 10,000 lb                   | <b>25701</b> | \$4,465.00 |
| 15,000 lb                   | <b>25702</b> | \$4,465.00 |
| 20,000 lb                   | <b>25703</b> | \$4,465.00 |
| 25,000 lb                   | <b>25704</b> | \$4,465.00 |
| <b>Dummy Load Cells</b>     |              |            |
| 1,000 lb to 5,000 lb        | <b>18236</b> | \$26.00    |
| 10,000 lb to 25,000 lb      | <b>18237</b> | \$42.00    |

## Shims, Mild Steel

|                               | Part #        | Price  |
|-------------------------------|---------------|--------|
| <b>1,000 lb to 5,000 lb</b>   |               |        |
| 0.0625 in                     | <b>150844</b> | \$2.00 |
| 0.125 in                      | <b>150845</b> | \$3.00 |
| 0.250 in                      | <b>150846</b> | \$3.00 |
| <b>10,000 lb to 25,000 lb</b> |               |        |
| 0.0625 in                     | <b>150847</b> | \$5.00 |
| 0.125 in                      | <b>150848</b> | \$7.50 |
| 0.250 in                      | <b>150849</b> | \$8.00 |

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL1600 cast iron compression mounts
- Three or four RL75016 double-ended shear beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 1,000 to 25,000 lb
- Cast iron construction
- Self-checking easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended beam design, center loaded

## Optional Features

- Kits available with VPG® Sensortronics 65016 load cells, capacities (per module): 1,000 to 25,000 lb

## Applications

- Medium- to heavy-capacity tanks, bins and hoppers
- Bulk material management

WEIGH MODULES

# RL1600 Series

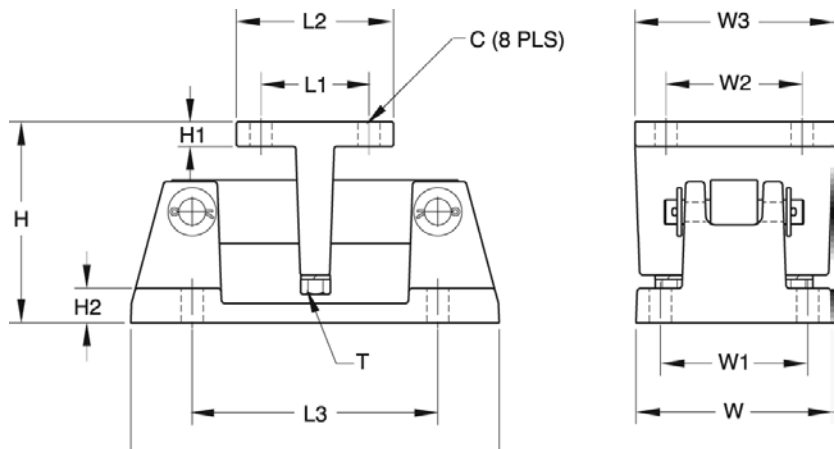
Cast Iron Weigh Modules

## Load Cell Upgrade

| RL75016SS Stainless Steel Load Cells   |  |
|--|--|
| Three mount kits, 1,000 lb to 25,000 lb \$75.00 added to list price                    |  |
| Four mount kits, 1,000 lb to 25,000 lb \$100.00 added to list price                    |  |
| RL75016WHE Stainless Steel Hermetic Load Cells   |  |
| Three mount kits 1,000 lb to 5,000 lb \$540.00, 10 k-25 k \$588.00 added to list price |  |
| Four mount kits 1,000 lb to 5,000 lb \$720.00, 10 k-25 k \$784.00 added to list price  |  |
| Contact factory for a 50,000 lb to 75,000 lb upgrade                                   |  |

## Dimensions

| Rated Capacity   | C    | H    | H1   | H2   | L     | L1   | L2   | L3   | T          |  | W    | W1   | W2   | W3   |
|------------------|------|------|------|------|-------|------|------|------|------------|--|------|------|------|------|
| lb/in            |      |      |      |      |       |      |      |      |            |  |      |      |      |      |
| 1,000 to 5,000   | 0.56 | 5.00 | 0.50 | 0.50 | 9.31  | 2.75 | 4.00 | 6.25 | 1/2-13 UNC |  | 5.00 | 3.75 | 2.75 | 4.00 |
| 10,000 to 25,000 | 0.78 | 7.89 | 0.75 | 0.75 | 12.00 | 6.00 | 8.00 | 7.50 | 3/4-10 UNC |  | 8.00 | 6.00 | 6.00 | 8.00 |



WEIGH MODULES

# RL1600 Series

Mild Steel Weigh Modules



Mild steel module with RL75016 double-ended shear beam load cell.

Picture is a representation of actual product.

## Load Cell Approvals



## Order Information

| Load Rating (Per Module)                          | Part #       | Price      |
|---|--------------|------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |              |            |
| 1,000 lb to 5,000 lb                              | <b>17812</b> | \$185.00   |
| 10,000 to 25,000 lb                               | <b>17814</b> | \$357.00   |
| 50,000 lb   | <b>17816</b> | \$1,197.00 |
| 75,000 lb   | <b>25346</b> | \$1,197.00 |
| <b>3-Module Kit</b>                               |              |            |
| 1,000 lb  | <b>18117</b> | \$2,285.00 |
| 1,500 lb  | <b>18118</b> | \$2,285.00 |
| 2,000 lb  | <b>18119</b> | \$2,285.00 |
| 2,500 lb  | <b>18120</b> | \$2,285.00 |
| 3,000 lb  | <b>18121</b> | \$2,285.00 |
| 5,000 lb  | <b>18122</b> | \$2,285.00 |
| 10,000 lb   | <b>18123</b> | \$3,000.00 |
| 15,000 lb   | <b>18124</b> | \$3,000.00 |
| 20,000 lb   | <b>18125</b> | \$3,000.00 |
| 25,000 lb   | <b>18126</b> | \$3,000.00 |
| 50,000 lb   | <b>18127</b> | \$6,305.00 |
| 75,000 lb   | <b>25348</b> | \$6,305.00 |
| <b>4-Module Kit</b>                               |              |            |
| 1,000 lb  | <b>18129</b> | \$2,925.00 |
| 1,500 lb  | <b>18130</b> | \$2,925.00 |
| 2,000 lb  | <b>18131</b> | \$2,925.00 |
| 2,500 lb  | <b>18132</b> | \$2,925.00 |
| 3,000 lb  | <b>18133</b> | \$2,925.00 |
| 5,000 lb  | <b>18134</b> | \$2,925.00 |
| 10,000 lb   | <b>18135</b> | \$3,875.00 |
| 15,000 lb   | <b>18136</b> | \$3,875.00 |
| 20,000 lb   | <b>18137</b> | \$3,875.00 |
| 25,000 lb   | <b>18138</b> | \$3,875.00 |
| 50,000 lb   | <b>18139</b> | \$8,425.00 |
| 75,000 lb   | <b>25349</b> | \$8,425.00 |

## VPG Sensortronics 65016 Order Information

| Load Rating (Per Module) | Part #       | Price      |
|--------------------------|--------------|------------|
| <b>3-Module Kit</b>      |              |            |
| 1,000 lb                 | <b>18189</b> | \$2,685.00 |
| 1,500 lb                 | <b>18190</b> | \$2,685.00 |
| 2,500 lb                 | <b>18192</b> | \$2,685.00 |
| 5,000 lb                 | <b>18194</b> | \$2,685.00 |
| 10,000 lb                | <b>18195</b> | \$3,400.00 |
| 15,000 lb                | <b>18196</b> | \$3,400.00 |
| 20,000 lb                | <b>18197</b> | \$3,400.00 |
| 25,000 lb                | <b>18198</b> | \$3,400.00 |
| 50,000 lb                | <b>18199</b> | \$6,800.00 |
| 75,000 lb                | <b>25350</b> | \$6,800.00 |
| <b>4-Module Kit</b>      |              |            |
| 1,000 lb                 | <b>18201</b> | \$3,485.00 |
| 1,500 lb                 | <b>18202</b> | \$3,485.00 |
| 2,500 lb                 | <b>18204</b> | \$3,485.00 |
| 5,000 lb                 | <b>18206</b> | \$3,485.00 |
| 10,000 lb                | <b>18207</b> | \$4,465.00 |
| 15,000 lb                | <b>18208</b> | \$4,465.00 |
| 20,000 lb                | <b>18209</b> | \$4,465.00 |
| 25,000 lb                | <b>18210</b> | \$4,465.00 |
| 50,000 lb                | <b>18211</b> | \$8,920.00 |
| 75,000 lb                | <b>25351</b> | \$8,920.00 |
| <b>Dummy Load Cells</b>  |              |            |
| 1,000 lb to 5,000 lb     | <b>18236</b> | \$26.00    |
| 10,000 lb to 25,000 lb   | <b>18237</b> | \$42.00    |
| 50,000 lb                | <b>18238</b> | \$56.00    |

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL1600 mild steel compression mounts
- Three or four RL75016 double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 1,000 to 75,000 lb
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended shear beam design, center loaded
- Painted mild steel construction

## Optional Features

- Kits available with VPG Sensortronics 65016 load cells, capacities (per module): 1,000 to 75,000 lb

## Applications

- Medium- to heavy-capacity tanks, bins and hoppers
- Bulk material management

WEIGH MODULES

## Shims, Mild Steel

|                               | Part #        | Price  |
|-------------------------------|---------------|--------|
| <b>1,000 lb to 5,000 lb</b>   |               |        |
| 0.0625 in                     | <b>150844</b> | \$2.00 |
| 0.125 in                      | <b>150845</b> | \$3.00 |
| 0.250 in                      | <b>150846</b> | \$3.00 |
| <b>10,000 lb to 25,000 lb</b> |               |        |
| 0.0625 in                     | <b>150847</b> | \$5.00 |
| 0.125 in                      | <b>150848</b> | \$7.50 |
| 0.250 in                      | <b>150849</b> | \$8.00 |
| <b>50,000 lb to 75,000 lb</b> |               |        |
| 0.0625 in                     | <b>150850</b> | \$7.00 |
| 0.125 in                      | <b>150851</b> | \$9.00 |
| 0.250 in                      | <b>150866</b> | \$7.50 |

# RL1600 Series

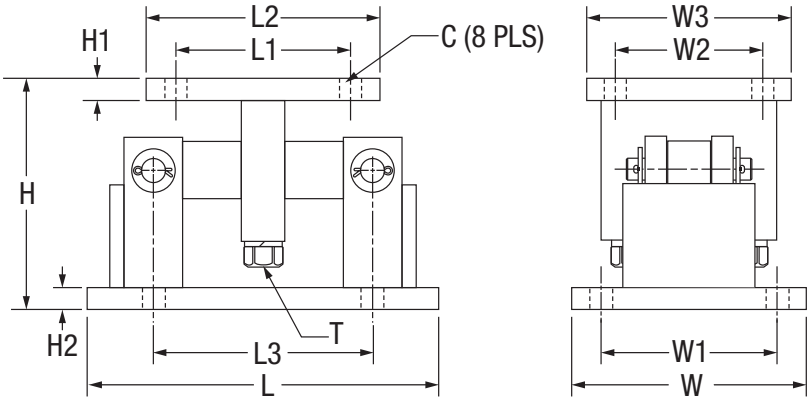
Mild Steel Weigh Modules

## Load Cell Upgrade

| RL75016SS Stainless Steel Load Cells   |  |
|--|--|
| Three mount kits, 1,000 lb to 25,000 lb \$75.00 added to list price                    |  |
| Four mount kits, 1,000 lb 25,000 lb \$100.00 added to list price                       |  |
| RL75016WHE Stainless Steel Hermetic Load Cells   |  |
| Three mount kits 1,000 lb to 5,000 lb \$540.00, 10 k-25 k \$588.00 added to list price |  |
| Four mount kits 1,000 lb to 5,000 lb \$720.00, 10 k-25 k \$784.00 added to list price  |  |
| Contact factory for a 50,000 lb to 75,000 lb adder for stainless only                  |  |

## Dimensions

| Rated Capacity   | C    | H    | H1   | H2   | L     | L1   | L2   | L3    | T           | W     | W1   | W2   | W3   |
|------------------|------|------|------|------|-------|------|------|-------|-------------|-------|------|------|------|
| lb/in            |      |      |      |      |       |      |      |       |             |       |      |      |      |
| 1,000 to 5,000   | 0.56 | 5.00 | 0.50 | 0.50 | 9.25  | 2.75 | 4.00 | 6.25  | 1/2-13 UNC  | 5.00  | 3.75 | 2.75 | 4.00 |
| 10,000 to 25,000 | 0.78 | 7.87 | 0.75 | 0.75 | 12.00 | 6.00 | 8.00 | 7.50  | 3/4-10 UNC  | 8.00  | 6.00 | 6.00 | 8.00 |
| 50,000 to 75,000 | 0.78 | 9.25 | 1.00 | 1.00 | 16.25 | 6.50 | 9.00 | 11.50 | 1 1/4-7 UNC | 12.00 | 9.50 | 6.50 | 9.00 |



WEIGH MODULES



# RL1600 Series SS

Stainless Steel Weigh Modules



Fabricated stainless steel module with RL75016SS double-ended beam load cell.

Picture is a representation of actual product.

## Load Cell Approvals



## Order Information

| Load Rating (Per Module)                          | Part #       | Price       |
|---|--------------|-------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |              |             |
| 1,000 lb to 5,000 lb                              | <b>17813</b> | \$685.00    |
| 10,000 lb to 25,000 lb                            | <b>17815</b> | \$1,345.00  |
| 50,000 lb   | <b>17842</b> | \$3,185.00  |
| 75,000 lb   | <b>25347</b> | \$3,185.00  |
| <b>3-Module Kit</b>                               |              |             |
| 1,000 lb  | <b>18141</b> | \$3,820.00  |
| 1,500 lb  | <b>18142</b> | \$3,820.00  |
| 2,000 lb  | <b>18143</b> | \$3,820.00  |
| 2,500 lb  | <b>18144</b> | \$3,820.00  |
| 5,000 lb  | <b>18145</b> | \$3,820.00  |
| 10,000 lb   | <b>18146</b> | \$5,830.00  |
| 15,000 lb   | <b>18147</b> | \$5,830.00  |
| 20,000 lb   | <b>18148</b> | \$5,830.00  |
| 25,000 lb   | <b>18149</b> | \$5,830.00  |
| 50,000 lb   | <b>18150</b> | \$13,255.00 |
| 75,000 lb   | <b>25352</b> | \$13,255.00 |
| <b>4-Module Kit</b>                               |              |             |
| 1,000 lb  | <b>18152</b> | \$4,988.00  |
| 1,500 lb  | <b>18153</b> | \$4,988.00  |
| 2,000 lb  | <b>18154</b> | \$4,988.00  |
| 2,500 lb  | <b>18155</b> | \$4,988.00  |
| 5,000 lb  | <b>18156</b> | \$4,988.00  |
| 10,000 lb   | <b>18157</b> | \$7,959.00  |
| 15,000 lb   | <b>18158</b> | \$7,959.00  |
| 20,000 lb   | <b>18159</b> | \$7,959.00  |
| 25,000 lb   | <b>18160</b> | \$7,959.00  |
| 50,000 lb   | <b>18161</b> | \$17,895.00 |
| 75,000 lb   | <b>25353</b> | \$17,895.00 |

## VPG Sensortronics 65016W Order Information

| Load Rating (Per Module)             | Part #       | Price       |
|--------------------------------------|--------------|-------------|
| <b>3-Module Kit</b>                  |              |             |
| 1,000 lb                             | <b>18213</b> | \$4,090.00  |
| 1,500 lb                             | <b>18214</b> | \$4,090.00  |
| 2,500 lb                             | <b>18216</b> | \$4,090.00  |
| 5,000 lb                             | <b>18217</b> | \$4,090.00  |
| 10,000 lb                            | <b>18218</b> | \$6,280.00  |
| 15,000 lb                            | <b>18219</b> | \$6,280.00  |
| 20,000 lb                            | <b>18220</b> | \$6,280.00  |
| 25,000 lb                            | <b>18221</b> | \$6,280.00  |
| 50,000 lb                            | <b>18222</b> | \$13,815.00 |
| 75,000 lb                            | <b>25354</b> | \$13,815.00 |
| <b>4-Module Kit</b>                  |              |             |
| 1,000 lb                             | <b>18224</b> | \$5,375.00  |
| 1,500 lb                             | <b>18225</b> | \$5,375.00  |
| 2,500 lb                             | <b>18227</b> | \$5,375.00  |
| 5,000 lb                             | <b>18228</b> | \$5,375.00  |
| 10,000 lb                            | <b>18229</b> | \$8,290.00  |
| 15,000 lb                            | <b>18230</b> | \$8,290.00  |
| 20,000 lb                            | <b>18231</b> | \$8,290.00  |
| 25,000 lb                            | <b>18232</b> | \$8,290.00  |
| 50,000 lb                            | <b>18233</b> | \$18,225.00 |
| 75,000 lb                            | <b>25355</b> | \$18,225.00 |
| <b>Dummy Load Cells (Mild Steel)</b> |              |             |
| 1,000 lb to 5,000 lb                 | <b>18236</b> | \$26.00     |
| 10,000 lb to 25,000 lb               | <b>18237</b> | \$42.00     |
| 50,000 lb                            | <b>18238</b> | \$56.00     |

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL1600 stainless steel compression mounts
- Three or four RL75016SS stainless steel double-ended shear beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

- Capacities (per module): 1,000 to 75,000 lb
- 304 stainless steel construction
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended shear beam design, center loaded

## Optional Features

- Kits available with VPG Sensortronics® 65016W SS load cells

## Applications

- Medium- to heavy-capacity tanks, bins and hoppers
- Bulk material management

WEIGH MODULES

## Shims, Stainless

|                               | Part #        | Price   |
|-------------------------------|---------------|---------|
| <b>1,000 lb to 5,000 lb</b>   |               |         |
| 0.0625                        | <b>150852</b> | \$7.00  |
| 0.125                         | <b>150853</b> | \$12.00 |
| 0.250                         | <b>150854</b> | \$18.00 |
| <b>10,000 lb to 25,000 lb</b> |               |         |
| 0.0625                        | <b>150855</b> | \$19.00 |
| 0.125                         | <b>150856</b> | \$30.00 |
| 0.250                         | <b>150857</b> | \$65.00 |
| <b>50,000 lb to 75,000 lb</b> |               |         |
| 0.0625                        | <b>150858</b> | \$27.00 |
| 0.125                         | <b>150859</b> | \$38.00 |
| 0.250                         | <b>150861</b> | \$79.00 |

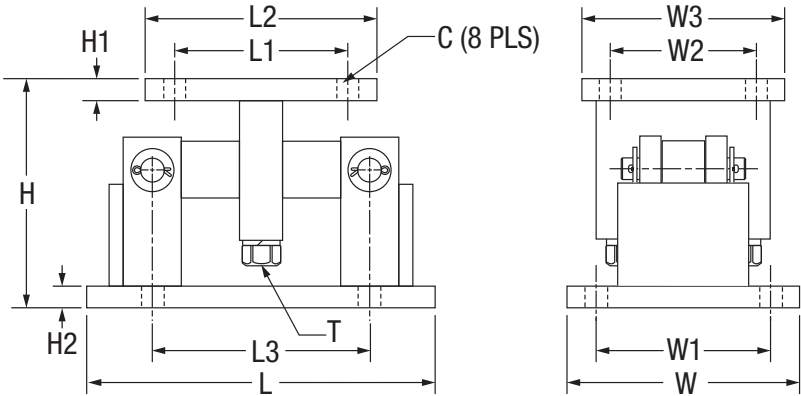


# RL1600 Series SS

Stainless Steel Weigh Modules

## Dimensions

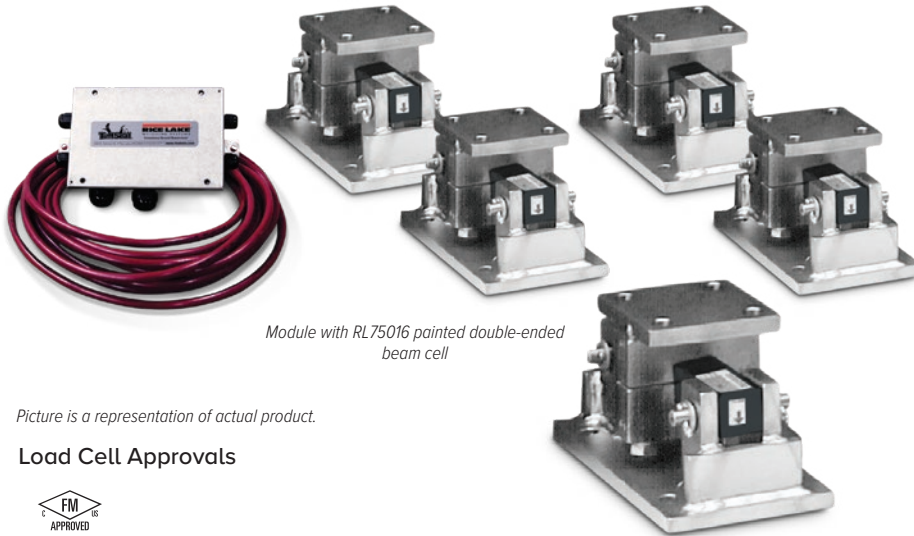
| Rated Capacity   | C    | H    | H1   | H2   | L     | L1   | L2   | L3    | T           | W     | W1   | W2   | W3   |
|------------------|------|------|------|------|-------|------|------|-------|-------------|-------|------|------|------|
| lb/in            |      |      |      |      |       |      |      |       |             |       |      |      |      |
| 1,000 to 5,000   | 0.56 | 5.00 | 0.50 | 0.50 | 9.25  | 2.75 | 4.00 | 6.25  | 1/2-13 UNC  | 5.00  | 3.75 | 2.75 | 4.00 |
| 10,000 to 25,000 | 0.78 | 7.87 | 0.75 | 0.75 | 12.00 | 6.00 | 8.00 | 7.50  | 3/4-10 UNC  | 8.00  | 6.00 | 6.00 | 8.00 |
| 50,000 to 75,000 | 0.78 | 9.25 | 1.00 | 1.00 | 16.25 | 6.50 | 9.00 | 11.50 | 1 1/4-7 UNC | 12.00 | 9.50 | 6.50 | 9.00 |



WEIGH MODULES

# RL1600 Series Painted Load Cell Version

Stainless Steel Weigh Modules



Module with RL75016 painted double-ended beam cell

Picture is a representation of actual product.

## Load Cell Approvals



## Order Information

| Load Rating (Per Module)                          | Part #        | Price       |
|---|---------------|-------------|
| <b>Single Module (Does NOT Include Load Cell)</b> |               |             |
| 1,000 lb to 5,000 lb                              | <b>17813</b>  | \$685.00    |
| 10,000 lb to 25,000 lb                            | <b>17815</b>  | \$1,345.00  |
| 50,000 lb   | <b>17842</b>  | \$3,185.00  |
| 75,000 lb   | <b>25347</b>  | \$3,185.00  |
| <b>3-Module Kit</b>                               |               |             |
| 1,000 lb  | <b>199023</b> | \$3,820.00  |
| 1,500 lb  | <b>199025</b> | \$3,820.00  |
| 2,000 lb  | <b>199027</b> | \$3,820.00  |
| 2,500 lb  | <b>199029</b> | \$3,820.00  |
| 3,000 lb  | <b>199031</b> | \$3,820.00  |
| 5,000 lb  | <b>199033</b> | \$3,820.00  |
| 10,000 lb   | <b>199035</b> | \$5,830.00  |
| 15,000 lb   | <b>199037</b> | \$5,830.00  |
| 20,000 lb   | <b>199038</b> | \$5,830.00  |
| 25,000 lb   | <b>199040</b> | \$5,830.00  |
| 50,000 lb   | <b>199042</b> | \$13,255.00 |
| 75,000 lb   | <b>199044</b> | \$13,255.00 |
| <b>4-Module Kit</b>                               |               |             |
| 1,000 lb  | <b>199024</b> | \$4,985.00  |
| 1,500 lb  | <b>199026</b> | \$4,985.00  |
| 2,000 lb  | <b>199028</b> | \$4,985.00  |
| 2,500 lb  | <b>199030</b> | \$4,985.00  |
| 3,000 lb  | <b>199032</b> | \$4,985.00  |
| 5,000 lb  | <b>199034</b> | \$4,985.00  |
| 10,000 lb   | <b>199036</b> | \$7,955.00  |
| 15,000 lb   | <b>199056</b> | \$7,955.00  |
| 20,000 lb   | <b>199039</b> | \$7,955.00  |
| 25,000 lb   | <b>199041</b> | \$7,955.00  |
| 50,000 lb   | <b>199043</b> | \$17,895.00 |
| 75,000 lb   | <b>199045</b> | \$17,895.00 |

## Dimensions

| Rated Capacity   | C    | H    | H1   | H2   | L     | L1   | L2   | L3    | T           | W     | W1   | W2   | W3   |
|------------------|------|------|------|------|-------|------|------|-------|-------------|-------|------|------|------|
| lb/in            |      |      |      |      |       |      |      |       |             |       |      |      |      |
| 1,000 to 5,000   | 0.56 | 5.00 | 0.50 | 0.50 | 9.25  | 2.75 | 4.00 | 6.25  | 1/2-13 UNC  | 5.00  | 3.75 | 2.75 | 4.00 |
| 10,000 to 25,000 | 0.78 | 7.87 | 0.75 | 0.75 | 12.00 | 6.00 | 8.00 | 7.50  | 3/4-10 UNC  | 8.00  | 6.00 | 6.00 | 8.00 |
| 50,000 to 75,000 | 0.78 | 9.25 | 1.00 | 1.00 | 16.25 | 6.50 | 9.00 | 11.50 | 1 1/4-7 UNC | 12.00 | 9.50 | 6.50 | 9.00 |

## Complete Kit Includes

- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RL1600 stainless steel compression mounts
- Three or four RL75016 painted alloy steel double ended shear beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features:

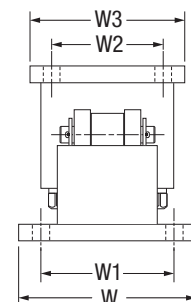
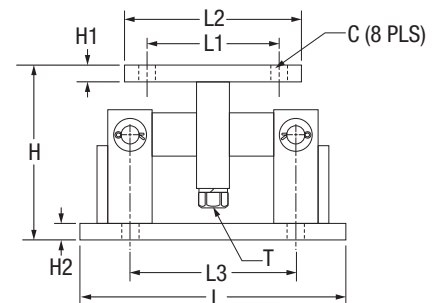
- Capacities (per module): 1,000 to 75,000 lb
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended shear beam design, center loaded

## Applications

- Medium-to heavy-capacity tanks, bins and hoppers
- Bulk material management

## Shims, Stainless

|                               | Part #        | Price   |
|-------------------------------|---------------|---------|
| <b>1,000 lb to 5,000 lb</b>   |               |         |
| 0.0625                        | <b>150852</b> | \$7.00  |
| 0.125                         | <b>150853</b> | \$12.00 |
| 0.250                         | <b>150854</b> | \$18.00 |
| <b>10,000 lb to 25,000 lb</b> |               |         |
| 0.0625                        | <b>150855</b> | \$19.00 |
| 0.125                         | <b>150856</b> | \$30.00 |
| 0.250                         | <b>150857</b> | \$65.00 |
| <b>50,000 lb to 75,000 lb</b> |               |         |
| 0.0625                        | <b>150858</b> | \$27.00 |
| 0.125                         | <b>150859</b> | \$38.00 |
| 0.250                         | <b>150861</b> | \$79.00 |



WEIGH MODULES

# MVS Mount/MVS

## Conversion Kit



Picture is a representation of actual product.

### Load Cell Approvals



### Order Information

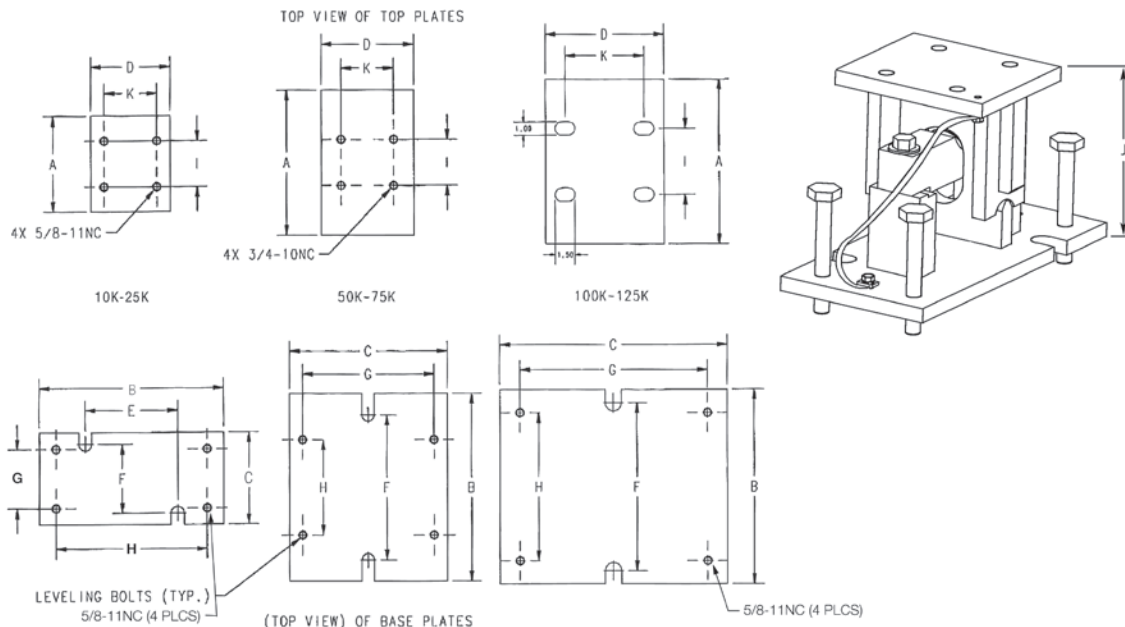
| Load Rating (Per Module)   | Part #        | Price       |
|--|---------------|-------------|
| <b>MVS Mount (Does NOT Include Load Cell)</b>  |               |             |
| 10,000 lb to 25,000 lb   | <b>71200</b>  | \$725.00    |
| 50,000 lb to 75,000 lb   | <b>46441</b>  | \$865.00    |
| 100,000 lb to 125,000 lb   | <b>68520</b>  | \$1,475.00  |
| <b>MVS Conversion Kits (Includes 75,000 lb* Load Cells, Mounts and Junction Box)</b> |               |             |
| 4-module kit   | <b>68495</b>  | \$7,505.00  |
| 6-module kit   | <b>68496</b>  | \$11,050.00 |
| 8-module kit   | <b>68497</b>  | \$15,020.00 |
| 10-module kit  | <b>68498</b>  | \$19,465.00 |
| <b>Dummy Load Cell</b>   |               |             |
| 50,000 lb to 75,000 lb   | <b>169388</b> | \$175.00    |
| 100,000 lb to 125,000 lb   | <b>159696</b> | \$212.00    |

Custom heights available; Consult

\* Consult for other capacity requirements

### Dimensions

| Rated Capacity     | A     | B     | C     | D    | E    | F     | G     | H     | I    | J     | K    |
|--------------------|-------|-------|-------|------|------|-------|-------|-------|------|-------|------|
| lb/in              |       |       |       |      |      |       |       |       |      |       |      |
| 10,000 to 25,000   | 7.25  | 14.00 | 7.00  | 6.00 | 7.00 | 5.25  | 4.50  | 11.50 | 3.50 | 8.50  | 4.00 |
| 50,000 to 75,000   | 11.00 | 14.25 | 12.00 | 7.00 | —    | 11.00 | 10.00 | 7.25  | 3.50 | 11.53 | 4.00 |
| 100,000 to 125,000 | 12.50 | 14.75 | 17.25 | 9.00 | —    | 12.75 | 14.25 | 11.25 | 5.00 | 14.21 | 6.00 |



### Complete Kit Includes

- 4 to 10 RL75058-LP 75,000 lb load cells with 35 ft or 60 ft cables
- 4 to 10 MVS mounts
- JB8SPT junction box (JB1010 on 10 module kit)
- 100 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Standard Features

- Capacity design: 10,000 to 125,000 lb
- Mild steel construction
- Specially hardened center link
- Self-checking design
- Self-centering design
- Accommodates thermal expansion and contraction

### Optional Features

- VPG Sensortronics® 65058 or VPG Celtron® CLB

### Applications

- Truck scale conversion
- Heavy-capacity horizontal tanks

# Translink™ Parallel Link

Truck Scale Assembly, Rice Lake Weighing Systems



Mount only; does not include load cell.  
Picture is a representation of actual product.

## Standard Features

- Capacities: 25,000 to 100,000 lb
- Center-supported, end-loaded double-ended shear beam design
- Free movement in all directions in the horizontal plane with virtually no friction
- Links provide optimal loading conditions for the cell
- Completely self-centering
- Requires no check rods
- Utilizes cells with 3 mV/V output
- Models available are RL75223 and RL75040, VPG Revere® 5223 and VPG Sensortronics® 65040A load cells

## Applications

- Truck scale mount
- Heavy-capacity horizontal tanks

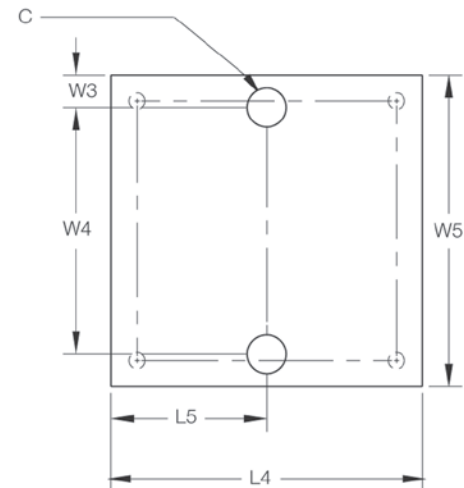
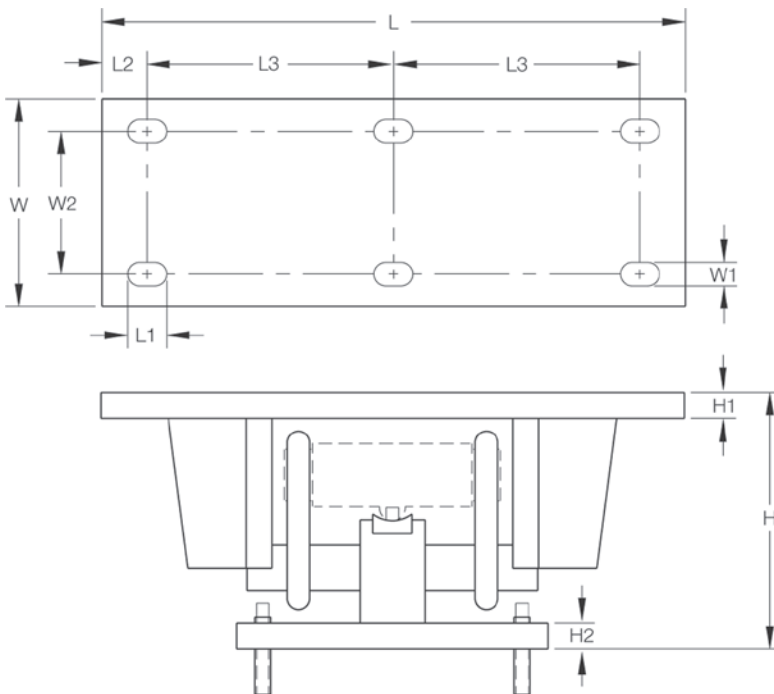
## Order Information

| Load Rating (Per Module)                       | Part #       | Price    |
|--|--------------|----------|
| <b>For Use With RL75223, 5223 Load Cells</b>   |              |          |
| 50,000 lb to 100,000 lb                        | <b>17970</b> | \$885.00 |
| <b>For Use With RL75040, 65040A Load Cells</b> |              |          |
| 25,000 lb to 40,000 lb                         | <b>17971</b> | \$885.00 |
| 50,000 lb to 75,000 lb                         | <b>17972</b> | \$885.00 |

Mount only; does not include load cell

## Dimensions

| Rated Capacity<br>lb/in            | C    | H     | H1   | H2   | L     | L1   | L2   | L3   | L4    | L5   | W    | W1   | W2   | W3   | W4   | W5    |
|------------------------------------|------|-------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|-------|
| 50,000 to 100,000 (RL75223, 5223)  | 1.50 | 12.93 | 1.00 | 1.00 | 22.50 | 1.50 | 1.75 | 9.50 | 11.75 | 5.88 | 7.75 | 0.91 | 5.25 | 1.25 | 9.25 | 11.75 |
| 25,000 to 40,000 (RL75040, 65040A) | 1.50 | 9.88  | 1.00 | 1.00 | 18.50 | 1.50 | 1.75 | 7.50 | 11.75 | 5.88 | 7.75 | 0.91 | 5.25 | 1.25 | 9.25 | 11.75 |
| 50,000 to 75,000 (RL75040, 65040A) | 1.50 | 12.82 | 1.00 | 1.00 | 22.50 | 1.50 | 1.75 | 9.50 | 11.75 | 5.88 | 7.75 | 0.91 | 5.25 | 1.25 | 9.25 | 11.75 |



WEIGH MODULES

# Motor Truck Scale Electronic Conversion Kit

Rice Lake Weighing Systems



Picture is a representation of actual product.

## Order Information

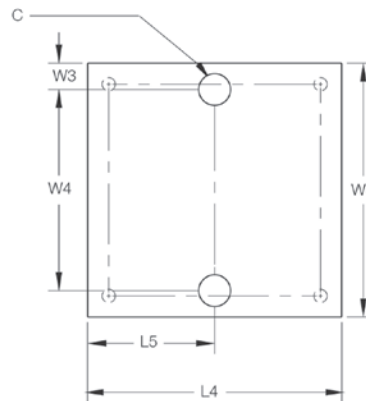
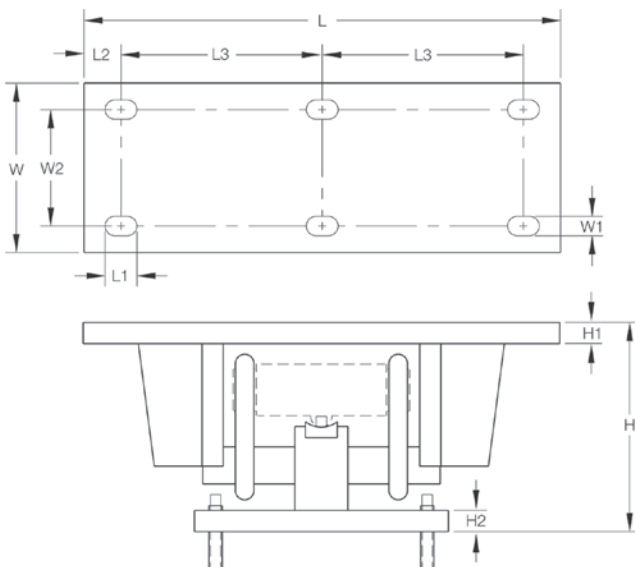
| Scale Suggested Capacity  | Load Cell Capacity (Per Module) | Part #       | Load Cell Used In Kit | Price       |
|---|---------------------------------|--------------|-----------------------|-------------|
| <b>4-Module Kit (Includes Weigh Modules Load Cells, Junction Box, and Transient Protection)</b> |                                 |              |                       |             |
| 40,000 lb   | 25,000 lb                       | <b>30513</b> | RL75040               | \$6,324.00  |
| 60,000 lb   | 40,000 lb                       | <b>30514</b> | RL75040               | \$6,854.00  |
| <b>6-Module Kit (Includes Weigh Modules Load Cells, Junction Box and Transient Protection)</b>  |                                 |              |                       |             |
| 100,000 lb  | 50,000 lb                       | <b>30515</b> | RL75040               | \$10,765.00 |
| 120,000 lb  | 60,000 lb                       | <b>30516</b> | RL75040               | \$10,765.00 |
| <b>8-Module Kit (Includes Weigh Modules Load Cells, Junction Box and Transient Protection)</b>  |                                 |              |                       |             |
| 120,000 lb  | 60,000 lb                       | <b>30517</b> | RL75040               | \$13,899.00 |
| 200,000 lb  | 75,000 lb                       | <b>30518</b> | RL75040               | \$13,899.00 |
| 300,000 lb  | 100,000 lb                      | <b>30512</b> | RL75223               | \$16,787.00 |

SD refers to super duty, 100,000 lb capacity welded-seal load cells

## Dimensions

| Rated Capacity              | C    | H*    | H1   | H2   | L     | L1   | L2   | L3   | L4    | L5   | W    | W1   | W2   | W3   | W4** | W5    |
|-----------------------------|------|-------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|-------|
| <b>lb/in</b>                |      |       |      |      |       |      |      |      |       |      |      |      |      |      |      |       |
| 50,000 to 100,000 (RL75223) | 1.50 | 12.93 | 1.00 | 1.00 | 22.50 | 1.50 | 1.75 | 9.50 | 11.75 | 5.88 | 7.75 | 0.91 | 5.25 | 1.25 | 9.25 | 11.75 |
| 25,000 to 40,000 (RL75040)  | 1.50 | 9.88  | 1.00 | 1.00 | 18.50 | 1.50 | 1.75 | 7.50 | 11.75 | 5.88 | 7.75 | 0.91 | 5.25 | 1.25 | 9.25 | 11.75 |
| 50,000 to 75,000 (RL75040)  | 1.50 | 12.82 | 1.00 | 1.00 | 22.50 | 1.50 | 1.75 | 9.50 | 11.75 | 5.88 | 7.75 | 0.91 | 5.25 | 1.25 | 9.25 | 11.75 |

\*Custom heights available; consult \*\*Custom hole spacing for existing bolt patterns is available; consult



## Complete Kit Includes

- One JB8SP NEMA Type 4X signal-trim junction box with individual and section trimming capability (six- and eight-mount kits) or one JB4SP NEMA Type 4X signal-trim junction box (four-mount kits)
- One UJB3T6 DC transient protector
- Four, six or eight Translink mounting assemblies with RL75040 or RL75223 load cells
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

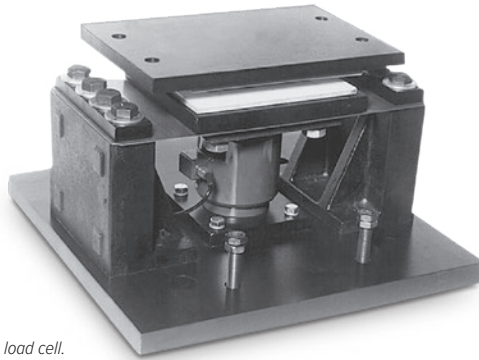
- Cost and time efficient installation; no need to remove weighbridge
- Converts existing scale capacities of 40,000 to 300,000 lb
- Four, six or eight-mount kits for two, three or four section conversions
- Translink™ heavy-capacity mounting assemblies
- Free movement in all directions in the horizontal plane with virtually no friction
- Completely self-centering
- Requires no check rods
- Capacity per mount: 25,000 to 100,000 lb
- Utilizes cells with 3 mV/V output

## Optional Features

- Custom heights available; consult
- Rice Lake RL75223 welded-seal, VPG Sensortronics® 65040A or VPG Revere® 5223 load cells

## Applications

- Updating existing mechanical motor truck scales
- Replacing unsatisfactory electronic motor truck scales
- Conversion of heavy-capacity scales into fully electronic vehicle scales where the existing scale cannot be removed



Mount only; does not include load cell.  
Picture is a representation of actual product.

## Standard Features

- Capacities: 50,000 lb, 100,000 lb and 200,000 lb
- Protects load cell from shock and side loads
- Low-profile design
- High-strength load bearing plate made of high-grade carbon steel hardened to Rockwell C 48-54
- PTFE-coated shock absorbing pads
- Compatible with VPG® Revere CP and CSP and Rice Lake Weighing Systems' RLCSP1NTEP Certified load cells

## Applications

- Truck scale mount\*
- Heavy-capacity horizontal tanks\*
- Railroad track mount\*

\*Check rods required

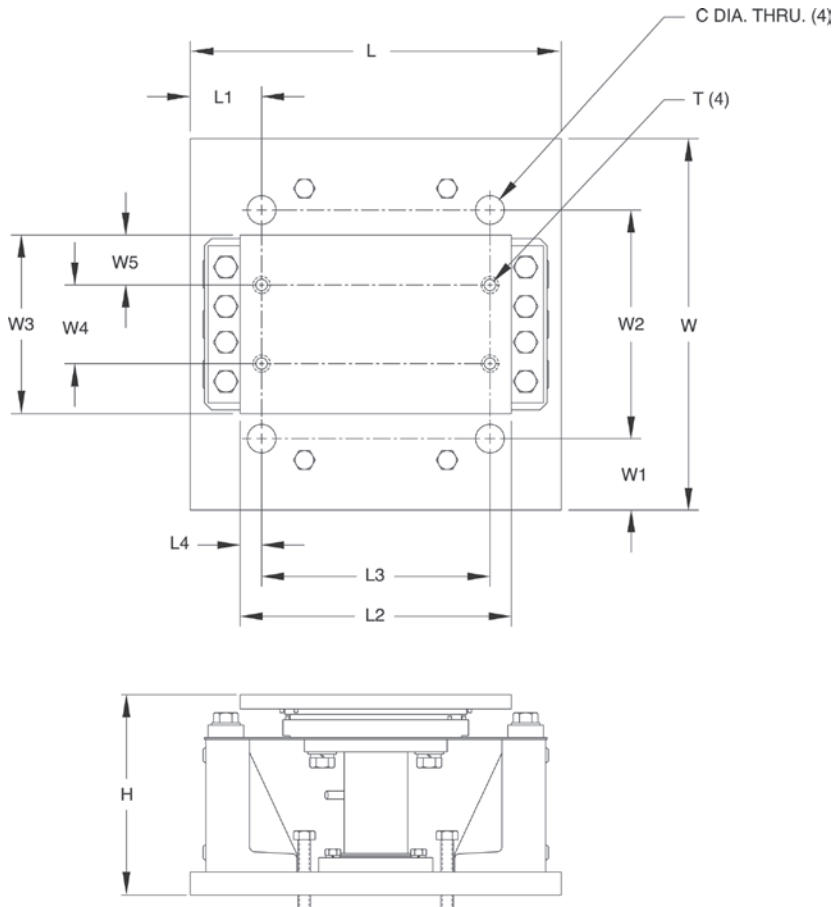
## Order Information

| Load Rating (Per Module) | Part #       | Price      |
|--------------------------|--------------|------------|
| 50,000 lb                | <b>21723</b> | \$2,225.00 |
| 100,000 lb               | <b>21724</b> | \$2,650.00 |
| 200,000 lb               | <b>17974</b> | \$4,595.00 |

Mount only; does not include load cell

## Dimensions

| Rated Capacity | C    | H     | L     | L1   | L2    | L3    | L4   | T          | W     | W1   | W2    | W3    | W4   | W5   |
|----------------|------|-------|-------|------|-------|-------|------|------------|-------|------|-------|-------|------|------|
| lb/in          |      |       |       |      |       |       |      |            |       |      |       |       |      |      |
| 50,000         | 1.25 | 7.39  | 13.00 | 1.75 | 11.25 | 8.50  | 1.37 | 3/4-10 UNC | 12.00 | 1.75 | 8.50  | 8.00  | 4.50 | 1.75 |
| 100,000        | 1.50 | 11.29 | 20.00 | 2.25 | 18.00 | 15.50 | 1.25 | 7/8-9 UNC  | 17.00 | 2.50 | 12.00 | 9.00  | 5.50 | 1.75 |
| 200,000        | 2.00 | 14.10 | 26.00 | 5.00 | 19.00 | 16.00 | 1.50 | 1-8 UNC    | 26.00 | 5.00 | 16.00 | 12.50 | 5.50 | 3.50 |





# Mettler Toledo® DigiTOL® Retrofit Kit

Stainless Steel, Rice Lake Weighing Systems/Flintec

## RC1 Load Cells



Shown here with the JB8SP signal trim junction box.  
Picture is a representation of actual product.

### Load Cell Approvals



### DigiTOL Retrofit Order information

| Description                                      | Part #        | Price       |
|--|---------------|-------------|
| 8 mount kit (RC1-56,000) 1 JB8SP junction box    | <b>78713</b>  | \$9,485.00  |
| 10 mount kit (RC1-56,000) 2 JB8SP junction boxes | <b>78714</b>  | \$11,535.00 |
| 12 mount kit (RC1-56,000) 3 EL304 junction boxes | <b>152774</b> | \$14,225.00 |

### Complete Kit Includes

- Signal trim EL204 or JB8SP junction boxes
- 8, 10 or 12 Flintec RC1-250 KN load cells with upper and lower load cups
- 8, 10 or 12 Flintec RC3 load cells with upper and lower load cups
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable
- Cups included

### Standard Features

- Stainless steel hermetically sealed load cells
- Converts existing Mettler -Toledo DigiTOL scale to an analog based load cell weighing system
- 8, 10 or 12 load cells and cups plus junction box and home run cable
- Load cells are NTEP Certified 1:10,000 divisions, Class III\*
- Rocker design load cells
- Load cups

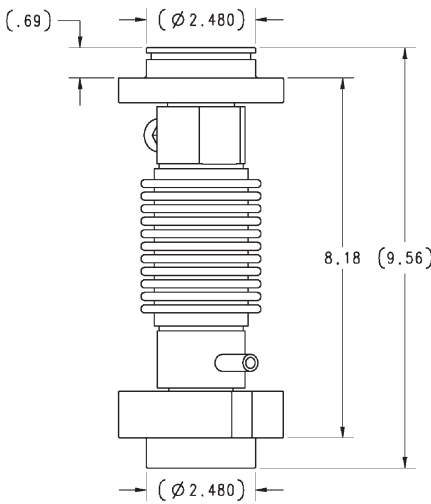
\*Consult your local Weights & Measures Authorities for local Legal for Trade requirements

### Warranty

- One-year limited

### Applications

- Mettler Toledo® DigiTOL® truck scale conversion



RC1-250KN

# Mettler Toledo® DigiTOL® Retrofit Kit

Stainless Steel, Rice Lake Weighing Systems/Flintec

## RC3 Load Cells



Shown here with the JB8SP signal trim junction box  
Picture is a representation of actual product

## Load Cell Approvals



## DigiTOL Retrofit Order information

| Description  | Part #        | Price       |
|--|---------------|-------------|
| 8 mount kit (RC3-50T) RR/track 2 EL304 junction boxes  | <b>129844</b> | \$12,995.00 |
| 8 mount kit (RC3-50T) truck 2 EL304 junction boxes     | <b>154347</b> | \$12,995.00 |
| 10 mount kit (RC3-50T) RR/track 2 JB8SP junction boxes | <b>111367</b> | \$16,100.00 |
| 10 mount kit (RC3-50T) truck 3 EL304 junction boxes    | <b>154348</b> | \$16,100.00 |
| 12 mount kit (RC3-50T) truck 3 EL304 junction boxes    | <b>154349</b> | \$19,295.00 |

## Complete Kit Includes

- Signal trim EL204 or JB8SP junction boxes
- 8, 10 or 12 Flintec RC1-250 KN load cells with upper and lower load cups
- 8, 10 or 12 Flintec RC3 load cells with upper and lower load cups
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable
- Cups included

## Standard Features

- Stainless steel hermetically sealed load cells
- Converts existing Mettler-Toledo DigiTOL scale to an analog based load cell weighing system
- 8, 10 or 12 load cells and cups plus junction box and home run cable
- Load cells are NTEP Certified 1:10,000 divisions, Class IIII\*
- Rocker design load cells
- Load cups

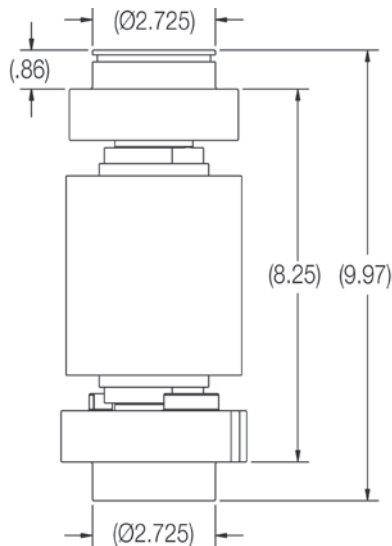
\*Consult your local Weights & Measures Authorities for local Legal for Trade requirements

## Warranty

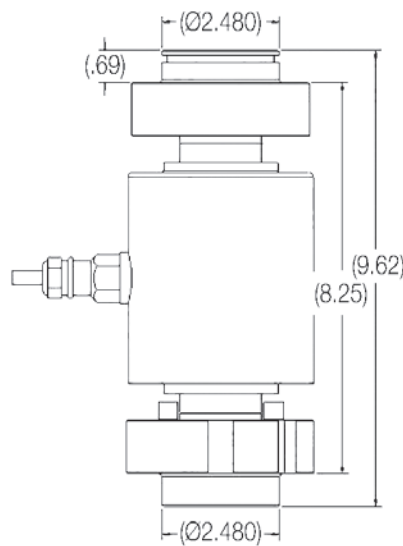
- One-year limited

## Applications

- Mettler Toledo® DigiTOL® truck scale conversion



RC3-50t  
RR TRACK



RC3-50t  
TRUCK

WEIGH MODULES

# B-TEK Digital Retrofit Kit

Stainless Steel, Rice Lake Weighing Systems

## RL82021-40t Load Cells



Shown here with the EL304A signal trim junction box.  
Picture is a representation of actual product.

### Load Cell Approvals



### Digital Retrofit Order information

| Description                                       | Part #        | Price      |
|---|---------------|------------|
| 8 mount kit (RC1-56,000) 2 EL304A junction boxes  | <b>216423</b> | \$7,795.00 |
| 10 mount kit (RC1-56,000) 3 EL304A junction boxes | <b>216424</b> | \$9,875.00 |

### Complete Kit Includes

- Signal trim EL304A junction boxes
- 8 or 10 RL82021-40t load cells with upper and lower load cups
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable
- Cups included

### Standard Features

- Stainless steel hermetically sealed load cells with overbraid
- Cable end built in surge protection
- 8 or 10 load cells and cups plus junction box and home run cable
- Load cells are NTEP Certified 1:10,000 divisions, Class IIII\*
- Rocker design load cells
- Load cups
- Converts B-TEK digital CPD-M scales to analog

*\*Consult your local Weights & Measures Authorities for local Legal for Trade requirements*

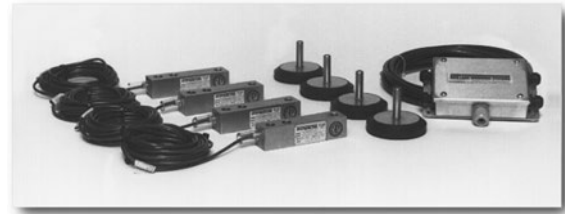
### Warranty

- Two-year limited

### Applications

- B-TEK digital truck scale conversion

# Electronic Floor Scale Underdeck Kits



Underdeck kits are provided to meet the application needs of the electronic floor scale producer and are an easy source for rebuilding existing floor scales. Underdeck kits are provided with mounting plates and load cell bolts for easy installation.

## Economical Kit

### Kit Includes

- (4) VPG® Celtron SQB alloy steel NTEP Certified 5,000 d, Class III load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) SureFoot® high-accuracy stainless steel support feet
- 20 ft EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

## Order Information

| Scale Base Capacity         | Part #       | Price    |
|-----------------------------|--------------|----------|
| 1,000 lb for 2,000 lb base  | <b>26436</b> | \$980.00 |
| 2,500 lb for 5,000 lb base  | <b>26437</b> | \$980.00 |
| 4,000 lb for 10,000 lb base | <b>26438</b> | \$980.00 |

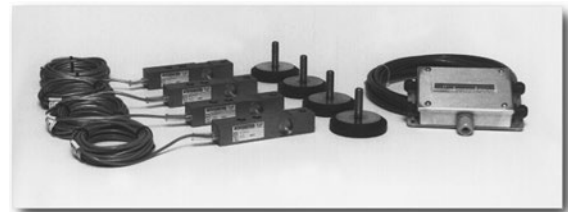
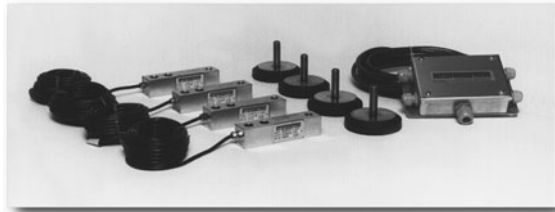
## Chemical, Dry Corrosive & Non-Washdown Applications Kit

### Kit Includes

- (4) VPG® Celtron SQB-HSS stainless steel NTEP Certified 5,000 d, Class III load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) SureFoot® high-accuracy stainless steel support feet
- 20 ft EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

## Order Information

| Scale Base Capacity         | Part #       | Price      |
|-----------------------------|--------------|------------|
| 1,000 lb for 2,000 lb base  | <b>19035</b> | \$1,378.00 |
| 2,500 lb for 5,000 lb base  | <b>19036</b> | \$1,378.00 |
| 4,000 lb for 10,000 lb base | <b>19037</b> | \$1,378.00 |



## Standard Precision Applications Kit

### Kit Includes

- (4) Rice Lake RL32018 alloy steel NTEP Certified 5,000 d, Class III load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) SureFoot high-accuracy stainless steel support feet
- 20 ft EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

NOTES: The use of NTEP Certified load cells in a scale base does not constitute approval of the completed base. Consult with local or state jurisdiction for compliance requirements.

## Order Information

| Scale Base Capacity         | Part #       | Price      |
|-----------------------------|--------------|------------|
| 1,000 lb for 2,000 lb base  | <b>19032</b> | \$1,060.00 |
| 2,500 lb for 5,000 lb base  | <b>19033</b> | \$1,060.00 |
| 4,000 lb for 10,000 lb base | <b>19034</b> | \$1,060.00 |

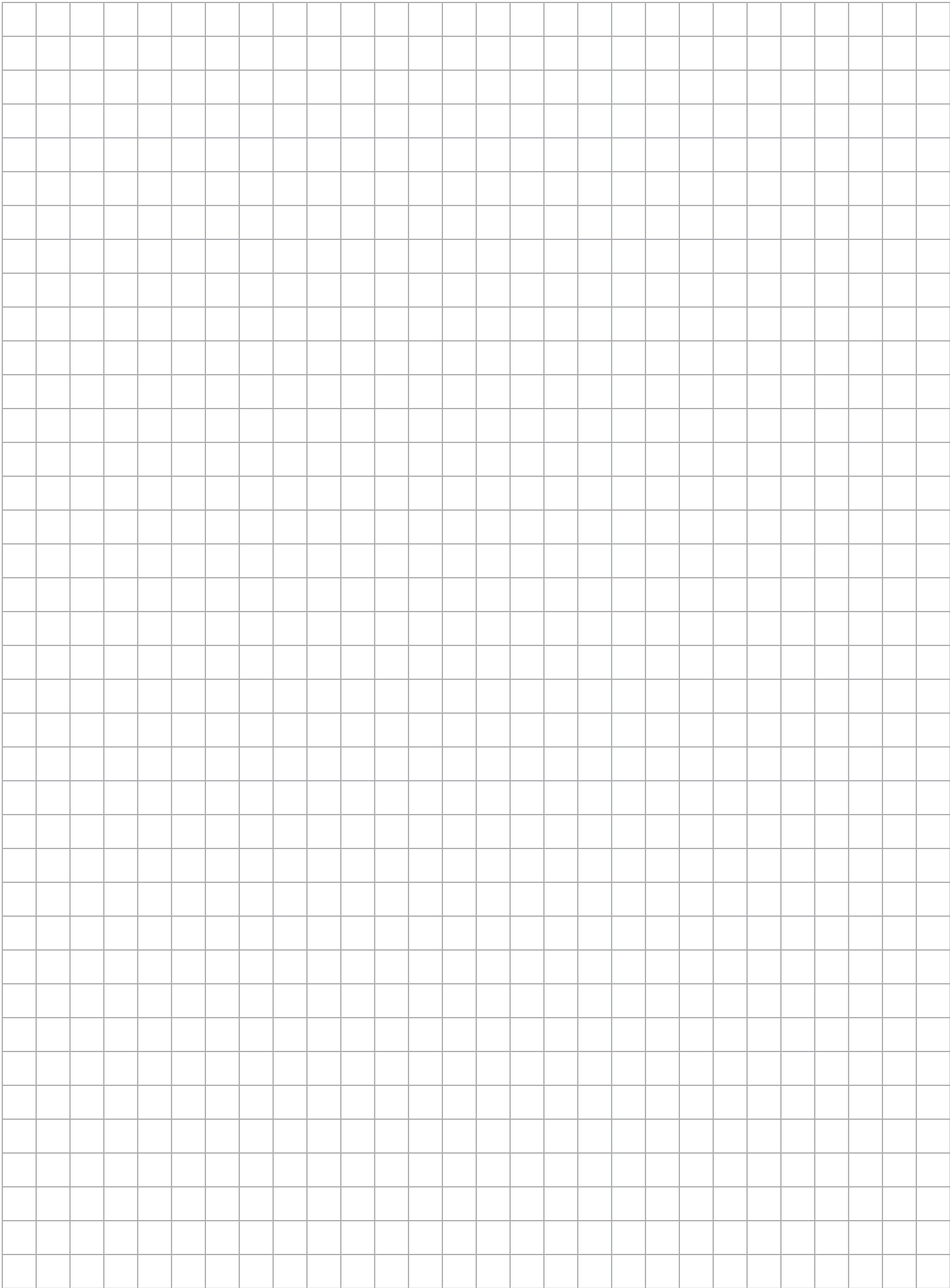
## Wet Applications Kit

### Kit Includes

- (4) Rice Lake RL32018S-HE welded-seal stainless steel NTEP Certified 5,000 d, Class III load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) SureFoot® high-accuracy stainless steel support feet
- 20 ft EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

## Order Information

| Scale Base Capacity         | Part #       | Price      |
|-----------------------------|--------------|------------|
| 1,000 lb for 2,000 lb base  | <b>19038</b> | \$1,706.00 |
| 2,500 lb for 5,000 lb base  | <b>19039</b> | \$1,706.00 |
| 4,000 lb for 10,000 lb base | <b>19040</b> | \$1,706.00 |



# Rice Lake Weighing Systems

## TABLE OF CONTENTS

### S-BEAMS

Page 104

#### RL20000I, ALLOY STEEL



Ideally suited for scale conversions and general-purpose weighing. Compact and rugged design. Capacities range from 25 to 20,000 lb. Complete with 20 ft of load cell cable.



Page 105

#### RL20000SS, STAINLESS STEEL



For suspended applications or mechanical scale conversions, this model provides the additional protection of stainless steel necessary in dry, corrosive environments. Available in capacities ranging from 50 to 20,000 lb.



Page 106

#### RL20000ST, STAINLESS STEEL



Ideally suited for suspended applications or mechanical scale conversions. A stainless steel design that provides additional protection in dry, corrosive environments.



Page 107

#### RL20001I, ALLOY STEEL



Suited for scale conversions, tension applications and general-purpose weighing. Compact and rugged design. Capacities range from 250 lb to 20,000 lb. Complete with 20 ft of load cell cable.



Page 108

#### RL20001HE, STAINLESS STEEL



A full stainless steel, welded-seal, S-beam available in capacities ranging from 500 lb to 10,000 lb. This model is featured in our ITCM HE products, and is ideal for the harshest tension mounting applications. NTEP Certified in capacities ranging from 500 lb to 5,000 lb.



Page 109

#### RL20001HE, STAINLESS STEEL



Ideally suited for scale conversions and general-purpose weighing. OIML approved and metric envelope capacities ranging from 250 to 2,500 kg. Complete with 6 m of load cell cable.



### SINGLE-ENDED BEAMS

Page 110

#### RL32022, ALLOY STEEL



The Rice Lake RL32018 Alloy Steel, Single-Ended Beam is an alloy steel single ended beam cell offered from 250 to 20,000 pounds. Each load cell has 20 feet of cable and is FM approved and NTEP approved from 1,000 to 10,000 pounds.





# Rice Lake Weighing Systems

## SINGLE-ENDED BEAMS

Page 111

### RL32022S, STAINLESS STEEL



The Rice Lake RL32018 Alloy Steel, Single-Ended Beam is an alloy steel single ended beam cell offered from 250 to 20,000 pounds. Each load cell has 20 feet of cable and is FM approved and NTEP approved from 1,000 to 10,000 pounds.



Page 112

### RL32018, ALLOY STEEL



An alloy steel single-ended beam cell offered from 250 lb to 20,000 lb. Each load cell has 20 ft of cable and is FM approved and NTEP Certified from 1,000 lb to 10,000 lb.



Page 113

### RL32018, ALLOY STEEL PAINTED



A painted alloy steel single-ended beam cell offered from 500 lb to 20,000 lb. Each load cell has 20 ft of cable and is FM approved and NTEP Certified from 1,000 lb to 10,000 lb. Ideal for fertilizer applications.



Page 114

### RL32018S, STAINLESS STEEL



Available in capacities from 250 lbs to 20,000 lbs. Sealed to IP66 standards, each cell includes 20 ft of cable and is FM approved. NTEP Certified from 1,000 lb to 10,000 lbs.



Page 115

### RL32018S-P, STAINLESS STEEL



Sealed to IP69K, it has a 3 mV output and is FM approved. Available in capacities from 1,000 lb to 10,000 lb. Comes complete with 20 ft of PTFE cable.



Page 116

### RL32018S-HE, STAINLESS STEEL



A hermetically sealed, stainless-steel single-ended beam load cell with 20 ft of PTFE jacketed cable for protection in harsh environments. Sealed to IP69K standards, this cell is 3 mV/V and NTEP Certified from 500 lb to 10,000 lb.



Page 117

### RL32019S-HE, STAINLESS STEEL



A stainless-steel single-ended beam with 2 mV/V and 30 ft of PTFE jacketed cable. Hermetically sealed to IP69K for tough environments. Available from 1,000 lb to 10,000 lb.



Page 118

### RL32218S-HE, STAINLESS STEEL



Available in capacities from 1,000 lb to 10,000 lb, this model is hermetically sealed and comes complete with 20 ft of PTFE cable.



Page 119

### RL9018SS, STAINLESS STEEL



Hermetically sealed with an IP68/IP69K rating, this stainless steel, single-ended beam load cell has NTEP Certified for capacities from 5 kg to 500 kg. Comes with 3m of cable.



## SINGLE-ENDED BEAMS

Page 120

### RL30000I, ALLOY STEEL



This threaded hole, single-ended beam is designed for low-profile scales and process applications. NTEP Certified cells in capacities ranging from 1,000 lb to 10,000 lb. Non-NTEP Certified cells in 250 lb, 500 lb and 20,000 lb capacities. Complete with 20 ft of load cell cable.



Page 121

### RL30002, ALLOY STEEL



Single-ended beam designed for low-profile scales and process applications. NTEP Certified cells in capacities ranging from 1,000 to 5,000 lb SE. Complete with 20 ft of load cell cable.



Page 122

### RLH35, STAINLESS STEEL



Stainless steel construction and integral mounting foot as well as dimensional and electrical interchangeability with several load cell manufacturers. Capacities range from 500 to 5,000 lb. Each cell comes with 20 ft of load cell cable.



Page 123

### RL39123, STAINLESS STEEL



Single-ended beam in stainless steel. Designed for low-profile scales and process applications. Capacities range from 250 to 10,000 lb. Complete with 20 ft or 30 ft of load cell cable.



Page 124

### RL32018S-T, STAINLESS STEEL



Replacement for the RL30745 load cell used in RLTM weigh modules and for the Mettler Toledo Model 745. Complete with 15 ft or 30 ft cable. NTEP Certified and FM approved.



Page 125

### RL30745, STAINLESS STEEL



This stainless steel, welded-seal, single-ended beam provides excellent protection against corrosive and washdown environments. This model is also a direct replacement cell for the Mettler Toledo® 745 Mount. It is ideally suited for low-profile platforms and vessel weighing. Available in capacities ranging from 500 to 10,000 lb. Complete with 30 ft load cell cable.



Page 126

### RL35023S, STAINLESS STEEL, PAINTED



A version of the RL35023S stainless steel load cell but with the added protection of a proprietary coating. This coating protects the load cell element in dry chemical applications that would normally cause standard stainless steel load cells to fail.



Page 127

### RLHTO, STAINLESS STEEL



Low profile, hermetic sealing and high accuracy makes the RLHTO suitable for low-profile platforms, pallet truck weighers, tanks and silos.



# Rice Lake Weighing Systems

## SINGLE-ENDED BEAMS

Page 128

### RLSSB, STAINLESS STEEL



Rugged and precise single-ended beam offers welded-seal protection and stainless steel construction. Designed for use in the most hostile environments. Applications include platform scales, materials testing and process weighing. Capacities range from 1,000 to 10,000 lb. Complete with 15 ft of load cell cable.



Page 129

### RLSB250/RLSB250T, STAINLESS STEEL



Interchangeable with Cardinal® SB2500. Stainless steel construction with welded seal. NTEP Certified capacity of 2,500 lb to 10,000 lb available. Comes complete with 15 ft or 20 ft of load cell cable.



Page 130

### RL50219SS, STAINLESS STEEL



A direct replacement for the RL50210SS stainless cantilever beam cell. It is an IP67 and comes with 20 ft of cable. Used in the RL50210SS-TA weigh modules in capacities from 25 lb to 500 lb.



Page 131

### RL50210, ALLOY STEEL



Designed for tension or compression loading applications. Capacities range from 25 to 500 lb. Complete with 20 ft of load cell cable.



Page 132

### RL60040SST, STAINLESS STEEL



Designed for tension or compression loading applications. Capacities range from 25 to 500 lb. Complete with 20 ft of load cell cable. Stainless steel construction.

Page 133

### RL40BBS, ALLOY STEEL



Designed for precision force and weight measurement. Capacities range from 50 to 2,500 lb. Complete with 10 ft of load cell cable.

Page 134

### RL32011WB-L, STAINLESS STEEL



A Legal for Trade link-style replacement for the Avery Weigh-Tronix® Weigh Bar®. Stainless steel construction and IP67 rating for a variety of floor scale, mount assembly and truck scale designs. Standard capacities range from 1,250 lb to 10,000 lb.



Page 135

### RL32011WB-T, STAINLESS STEEL



A direct replacement for the threaded style Avery Weigh-Tronix Weigh Bar, with improved stainless steel construction and a potted IP67 housing. Available in 1,250 lb or 2,500 lb capacities.



## DOUBLE-ENDED BEAMS

Page 136

### RL72020, ALLOY STEEL



An alloy steel, double-ended beam load cell ideal for truck, tank and hopper applications. Complete with 30 ft of load cell cable and available in capacities of 5,000 lb to 250,000 lb.



## DOUBLE-ENDED BEAMS

Page 137

### RL72020SS, STAINLESS STEEL



A stainless steel, double-ended beam load cell with an environmental seal and Legal for Trade NTEP certification. Available in capacities of 5,000 lb to 150,000 lb and complete with 30 ft of cable.



Page 138

### RL72020P, STAINLESS STEEL



A painted alloy steel, double-ended beam load cell ideal for fertilizer, tank and hopper applications. Capacities range from 5,000 lb to 250,000 lb and comes with 30 ft of load cell cable.



Page 139

### RL72019SS, STAINLESS STEEL



A direct replacement for the RL72010MH load cell. It is stainless steel and has a welded seal. Complete with 25 ft of cable and is available in capacities from 5,000 lb to 60,000 lb.



Page 140

### RL70000, ALLOY STEEL



Double-ended beam with center loading. Designed for truck, tank and hopper applications. Capacities range from 5,000 to 250,000 lb. Complete with 30 ft of load cell cable.



Page 141

### RL70000, ALLOY STEEL PAINTED



A painted alloy steel, double-ended beam load cell designed for tank and hopper applications. Available in capacities ranging from 5,000 lb to 250,000 lb and complete with 30 ft of load cell cable. Ideal for fertilizer applications.



Page 142

### RL70000SS, STAINLESS STEEL



Stainless steel double-ended beam load cell designed for truck, track and process weighing. High accuracy, low profile and tolerances to non-axial loading and redundant seal. Capacities range from 5,000 to 150,000 lb. Complete with 30 ft of load cell cable.



Page 143

### RL75016, ALLOY STEEL



Designed for tank and hopper applications. An alloy steel double-ended beam load cell with center loading. Capacities range from 1,000 lb to 75,000 lb. The load cell comes with 25 ft of load cell cable.



Page 144

### RL75016, ALLOY STEEL, PAINTED



A version of the RL75016 load cell but with a proprietary coating for extra protection in dry chemical applications. Has a painted double-ended beam with center loading designed for tank and hopper applications. Capacities range from 1,000 lb to 75,000 lb. Complete with 25 ft of load cell cable.



Page 145

### RL75016SS, STAINLESS STEEL



Double-ended beam with center loading. Designed for tank and hopper applications. Stainless steel provides protection against corrosive materials. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.



# Rice Lake Weighing Systems

## DOUBLE-ENDED BEAMS

Page 146

### RL75016SS-W, STAINLESS STEEL



A double-ended beam, stainless steel load cell designed for tank and hopper applications. Capacities range from 1,000 to 50,000 lb.

Page 147

### RL75016WHE, STAINLESS STEEL



Double-ended beam with center loading. Designed for tank and hopper applications. Stainless steel construction and hermetic sealing provide protection in hostile environments. Capacities range from 1,000 to 25,000 lb. Complete with 25 ft of load cell cable.



Page 148

### RL75058I, ALLOY STEEL



Nickel plated and environmentally sealed with stainless steel side plates. Designed for center link loading and compatibility with the Unilink or similar suspension systems up to 75,000 lb. Capacities range from 10,000 to 125,000 lb. Complete with 35 ft of load cell cable. Models with 60 ft or 100 ft of load cell cable are available as well.



Page 149

### RL75058I, ALLOY STEEL FOR COIL SCALE



Nickel plated and environmentally sealed with stainless steel side plates. Used in the Rice Lake Weighing Systems coil scale. 20,000 to 75,000 lb, complete with 35 ft of load cell cable.



Page 150

### RL75058-LP, ALLOY STEEL



Nickel plated, high-alloy steel load cell with built-in lightning protection. Available in capacities from 10,000 lb to 125,000 lb. Sealed to IP67, it has a 3 mV output and is FM approved and NTEP Certified.



Page 151

### RL75058S-LP, STAINLESS STEEL



A stainless steel, hermetically sealed load cell with built-in lightning protection. It is available in capacities 10,000 lb to 125,000 lb with an IP68/IP69K rating.



Page 152

### RL75060S, STAINLESS STEEL



Provides durability and accuracy in high-capacity process measurement and control. Ideal for vehicle weighing in hostile environments. Capacities range from 20,000 lb to 100,000 lb. NTEP Certified and complete with 35 ft of load cell cable.



Page 153

### RL75223, ALLOY STEEL



High performance end-loaded, center-supported shear beam. Designed for low-profile truck and track scales in harsh environments. Welded seal provides superior protection. Parallel link loading provides free movement in all horizontal directions. Compatible with Translink Mounts. Capacities range from 50,000 lb to 100,000 lb. Complete with 40 ft of load cell cable.



## DOUBLE-ENDED BEAMS

### Page 154

### RLDB50000S-50K, STAINLESS STEEL



Stainless steel, welded-seal load cell designed as an interchangeable load cell for the Cardinal® DB50000S. It is NTEP Certified for 10,000 divisions and has 35 ft of cable standard.



### Page 155

### RL75040, ALLOY STEEL



Double-ended beam load cell. Nickel plated and environmentally sealed with stainless steel plates. Designed for center mounting and double link loading, compatible with Unilink/Translink suspension up to 75,000 lb. Capacities range from 25,000 to 125,000 lb. Complete with 35 ft of load cell cable. Optional 40 ft or 50 ft cable available with some capacities.



## COMPRESSION CANISTERS

### Page 156

### RLCSP1, STAINLESS STEEL



Welded-seal, stainless steel canister cell designed for vehicle and process applications. High capacity load cell is built for reliability, durability and extreme precision. Ideal for applications where optimal precision and durability are needed. Capacities range from 25,000 lb to 200,000 lb. Complete with 35 ft of load cell cable.



### Page 157

### RL8C2P1SST, STAINLESS STEEL



Single-column design with low deflection; hermetically sealed for trouble-free operation. Stainless steel for use in harsh environments. Compact and rugged. Capacities range from 50,000 to 200,000 lb. Complete with 35 ft of load cell cable.



### Page 158

### RLSCA, STAINLESS STEEL



A replacement for Cardinal® SCA products. Features stainless steel construction and welded sealing to provide IP67 environmental protection. Includes a load cell and two retrofit cups that allow match up with various field applications. Backed by NTEP III 10M Certification. Provides easy installation and access. Available in a 50,000 lb package, comes with 30 ft of standard load cell cable.



### Page 159

### RL70510-30T/RL80453-100,000 LB, STAINLESS STEEL



Replacements for the Fairbanks 70510 and 80453 rocker cells found in many truck scales. Stainless and hermetically sealed.



### Page 160

### RL75114-50K, STAINLESS STEEL



Stainless steel, hermetically sealed rocker column designed to interchange with the Fairbanks part number 64166. Comes with 30 ft of overbraid cable to protect it from abrasion and pests. NTEP Certified.





# Rice Lake Weighing Systems

## COMPRESSION DISK

Page 161

### RL90000, ALLOY STEEL



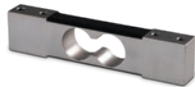
Environmentally sealed low-profile compression disk. Models with capacities of 5,000 lb and 10,000 lb can also be used in tension loading applications. Shear web design provides excellent performance and its low profile makes it ideal for applications where height is critical. Capacities range from 5,000 to 100,000 lb. Complete with 50 ft of load cell cable.



## SINGLE POINTS

Page 162

### RLPC3SS, STAINLESS STEEL



Stainless steel, environmentally sealed single-point ideally suited for bench scales. NTEP certified and OIML approved with capacities from 7 to 150 kg. 10 ft of cable standard.



Page 163

### RLPC4SS-HE, STAINLESS STEEL



Stainless steel hermetically sealed single-point designed for bench scales used in wash down applications. Available in capacities from 10 kg to 100 kg. NTEP Certified and OIML approved.



Page 164

### RLPC6, STAINLESS STEEL



Stainless steel, hermetically sealed single-point load cell ideal for moist environments. NTEP Certified and comes with 10 ft of cable. Capacity from 10 kg to 200 kg.



Page 165

### RLPWM15HE, STAINLESS STEEL



Hermetically sealed, stainless steel, single-point load cell. Available in capacities ranging from 10 kg to 100 kg. NTEP Certified and comes complete with 10 ft of load cell cable.



Page 166

### RLPWM15, STAINLESS STEEL



Environmentally sealed and replaces HBM's PW15 for many bench scale types. Comes in a range of capacities from 10 kg to 150 kg. NTEP certified and FM approved.



Page 167

### RLPCBC-60, STAINLESS STEEL



Stainless steel, hermetically sealed, single-point load cell that can be used in moist environments. NTEP Certified and comes complete with 10 ft of load cell cable. Capacity ranges are 50 kg to 1,000 kg.



Page 168

### RL1521A, ALUMINUM



Low -profile single-point load cell designed for electronic bench scales and platform scales. A replacement for the VPG BLH and NMB C2G1, capacities range from 3 kg to 35 kg.



## SINGLE POINTS

Page 169

### RL1010, ALUMINUM



Off-center loading load cell designed for long-lasting, durable mounting of the weighing platform. Load cells with potted cavities are available for improved performance in damp environments. Potted model capacities range from 7 kg to 90 kg with 10 ft of load cell cable. Unpotted model capacities range from 3 kg and 5 kg with 3 ft of load cell cable. NTEP Certified from 10 kg to 50 kg.



Page 170

### RLSP4, ALUMINUM



A low-profile, off-center load cell designed for retail, postal and platform scale applications. Manufactured from aluminum, moment compensated for optimal accuracy and protected by a quality gauge coating compound that provides a barrier against high humidity environments. Available in capacities ranging from 5 kg to 100 kg, and comes standard with 10 ft of load cell cable.



Page 171

### RLPWM12, ALUMINUM



The RLPWM12 is ideal for platform, hanging scales and other low-capacity beam applications. An aluminum, single point load cell with capacities ranging from 50 to 1,000 kg, this load cell is NTEP Certified. Complete with 10 ft of load cell cable.



Page 172

### RLPWM16, ALUMINUM



A single point, aluminum load cell with capacities ranging from 50 to 635 kg, this load cell has a potted cavity and offers excellent performance in damp environments. Complete with 10 ft of load cell cable.



Page 173

### RL1042, ALUMINUM



A low-profile single point for platform weighing, this model is constructed of aluminum, and is a two-beam design. This design offers high immunity to side forces and is specially coated to provide humidity resistance. The unit is available in capacities ranging from 1 to 100 kg. Complete with 10 ft of load cell cable.



Page 174

### RL1040, ALUMINUM



Designed for direct mounting of a weighing platform, hanging scales and other low-capacity beam applications. Maintains long-term stability and durability. Potted cavities provide improved performance in damp environments. NTEP Certified capacities range from 5 kg to 100 kg. Complete with 10 ft of load cell cable.



Page 175

### RL1140, STAINLESS STEEL



A single-point cell constructed of stainless steel. Ideal for platform scales, packaging and process weighing equipment. Capacities range from 15 kg to 150 kg. Complete with 10 ft of load cell cable.



Page 176

### RL1380, STAINLESS STEEL



Designed for high performance in moist environments, these single-point cells provide an excellent option when stainless steel is required for an application. Available in capacities ranging from 7 kg to 60 kg. Complete with 10 ft of load cell cable.



# Rice Lake Weighing Systems

Page 177

## RL1385, STAINLESS STEEL



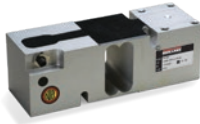
SINGLE POINTS

Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform, hanging scales and other low-capacity beam applications. Stainless steel construction with a humidity-resistant protective coating provides long-term stability, even in harsh environments. Potted cavities provide improved performance in damp environments. Capacities range from 10 kg to 200 kg. Complete with 10 ft of load cell cable.



Page 178

## RL1260, ALUMINUM



High-capacity, off-center loading aluminum load cell. This model is of the two-beam design, and is specially coated to assure durability in harsh environments. Capacities range from 50 to 635 kg. Complete with 10 ft of load cell cable.



Page 179

## RL260FD, STAINLESS STEEL



A Rice Lake fluid dampened load cell. The stainless steel housing and standard breather tube provide excellent protection in most applications. Available from 2 kg to 50 kg capacities. NTEP Certified and FM approved.



Page 180

## RL26018A, ALUMINUM



Ideal for bench scales. Comes in capacities from 50 kg to 635 kg. NTEP and FM approved and is environmentally sealed to IP67. Complete with 10 ft of cable.



Page 181

## RL1218A, ALUMINUM



A high-capacity, off-center loading load cell. Weighs loads from 50 kg to 1,000 kg. Features potted cavities that offer excellent performance in damp environments.



Page 182

## RL42018A, ALUMINUM



An aluminum, IP66 single-point load cell. Available in capacities ranging from 3 kg to 100 kg and has NTEP Certified and FM approvals. 10 ft of cable included.



Page 183

## RLFLS, STAINLESS STEEL



Interchangeable with the Avery Weigh-Tronix® FLS, Rice Lake's single-point RLFLS is a solid choice for many bench scale applications. The potted RLFLS is stainless steel and rated at IP67, available in capacities 50 lb and 75 lb.

PLANAR BEAMS

Page 184

## RLBLP, ALUMINUM



Very low-profile aluminum sensor that can be used in bench scales in low-profile floor scales. Available in capacities ranging from 15 to 150 kg.

## TENSION LINK

Page 185

### RL2010 TENSION LINK



Ranges in capacities of 5,000 lb to 500,000 lb. Constructed of stainless steel. Ideal for unique tension applications.

## MSI

Page 186

### MSI LOAD PIN SENSORS



A key component of MSI's integrated overhead weighing solutions is the Load Pin Sensor. Typically designed and manufactured specifically to each integrated solution, the MSI load pin is strictly industrial grade. Each load pin design is precision machined from 17-4 stainless steel for safety, strength and corrosion resistance.

Page 187

### MSI LOAD PIN QUESTIONNAIRE

Page 188

### MSI TENSION LINK



The MSI Tension Link integrates between a crane block and lifting equipment to provide force measurement for lifted items, making it an ideal integration for cranes. The MSI Tension Link features a 7:1 safety factor for compliance with industrial and military safety requirements.

Page 189

### MSI CLAMP-ON



The MSI Clamp-on load cell is a durable solution for measuring wire rope tension, providing dependable overload detection and prevention for overhead cranes and hoists. Available in two envelopes for accommodating most common wire ropes, 0.375-0.500 inch and 0.5625-0.75 inch, the MSI Clamp-on installs quickly and easily to the wire rope dead end. Weight-based setpoints can be used to communicate with crane electronics providing operator alerts and safety shut offs based on unsafe load conditions.



Picture is a representation of actual product.

#### Approvals



#### Order Information

| Load Rating  | Part # | Est. Weight | Price    |
|--|--------|-------------|----------|
| 25 lb  | 21428  | 2 lb        | \$290.00 |
| 50 lb  | 21429  | 2 lb        | \$290.00 |
| 75 lb  | 21430  | 2 lb        | \$290.00 |
| 100 lb   | 21431  | 2 lb        | \$290.00 |
| 150 lb   | 21432  | 2 lb        | \$290.00 |
| 200 lb   | 21433  | 2 lb        | \$290.00 |
| 250 lb   | 21434  | 2 lb        | \$290.00 |
| 300 lb   | 21435  | 2 lb        | \$290.00 |
| 500 lb   | 21436  | 2 lb        | \$290.00 |
| 750 lb   | 21437  | 2 lb        | \$290.00 |
| 1,000 lb   | 21438  | 2 lb        | \$290.00 |
| 1,500 lb   | 21439  | 2 lb        | \$290.00 |
| 2,000 lb***  | 21356  | 2 lb        | \$358.00 |
| 2,000 lb   | 21440  | 2 lb        | \$290.00 |
| 2,500 lb   | 21441  | 2 lb        | \$290.00 |
| 3,000 lb   | 21442  | 4 lb        | \$334.00 |
| 5,000 lb***  | 17044  | 4 lb        | \$505.00 |
| 5,000 lb   | 21443  | 4 lb        | \$466.00 |
| 10,000 lb  | 21444  | 4 lb        | \$466.00 |
| 15,000 lb  | 21445  | 7 lb        | \$588.00 |
| 20,000 lb***   | 17045  | 17 lb       | \$993.00 |
| 20,000 lb  | 21446  | 17 lb       | \$927.00 |
| <b>Conduit Adapter Kit* (must be factory installed to maintain warranty)</b> |        |             |          |
| 3/8-24 nipple  | 31533* | 1 lb        | \$37.00  |
| 3/8-24 to 1/4-18 NPT   | 31534* | 1 lb        | \$37.00  |
| <b>Replacement Agriculture Scale Load Cell - 40 ft Cable</b>                 |        |             |          |
| 10,000 lb  | 151746 | 5 lb        | \$493.00 |

\*PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

\*\*\*These load cells have 30ft or 35ft of cable and trimmed outputs and are used in many batch plants

#### Dimensions

| Rated Capacity  | A            | B    | C    | D    | E    |
|-----------------|--------------|------|------|------|------|
| lb/in           |              |      |      |      |      |
| 25 to 300       | 1/4-28 UNF   | 0.75 | 0.50 | 2.00 | 2.50 |
| 500 to 1,500    | 1/2-20 UNF   | 1.00 | 0.75 | 2.00 | 2.50 |
| 2,000 to 2,500  | 1/2-20 UNF   | 1.25 | 1.00 | 2.00 | 2.50 |
| 3,000           | 1/2-20 UNF   | 1.25 | 1.00 | 3.00 | 4.00 |
| 5,000 to 10,000 | 3/4-16 UNF   | 1.25 | 1.00 | 3.00 | 4.00 |
| 15,000          | 1-12 UNF     | 1.50 | 1.25 | 4.00 | 5.50 |
| 20,000          | 1 1/4-12 UNF | 2.25 | 2.00 | 5.00 | 7.00 |

#### Interchangeable Products

ARTECH®

**20210 (1-14 UNF)** (15,000 lb thread is 1-12 UNF for Rice Lake model)

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension Cell Mount** ..... page 38

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

385 (± 5) ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

20 ft

30 ft (pn 17044 and 17045)

35 ft (pn 21356)

##### Cable Diameter:

0.200 in

Polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

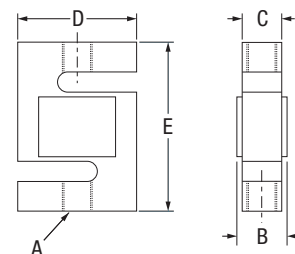
##### Warranty:

Two-year limited

##### Approvals:

NTEP 90-158

cFmus





Picture is a representation of actual product.

#### Approvals



#### Order Information

| Load Rating  | Part # | Est. Weight | Price    |
|--|--------|-------------|----------|
| <b>NTEP Certified</b>  |        |             |          |
| 100 lb   | 46511  | 2 lb        | \$312.00 |
| 250 lb   | 46503  | 2 lb        | \$312.00 |
| 300 lb   | 181826 | 2 lb        | \$312.00 |
| 500 lb   | 46504  | 2 lb        | \$312.00 |
| 750 lb   | 46505  | 2 lb        | \$312.00 |
| 1,000 lb   | 46506  | 2 lb        | \$312.00 |
| 2,500 lb   | 46507  | 2 lb        | \$312.00 |
| 3,000 lb   | 46508  | 4 lb        | \$345.00 |
| 5,000 lb   | 46509  | 4 lb        | \$503.00 |
| 10,000 lb  | 46510  | 4 lb        | \$525.00 |
| <b>Non-NTEP Certified</b>  |        |             |          |
| 50 lb  | 17013  | 2 lb        | \$312.00 |
| 15,000 lb  | 158375 | 7 lb        | \$715.00 |
| 20,000 lb  | 158376 | 13 lb       | \$948.00 |
| <b>Conduit Adapter Kit* (must be factory installed to maintain warranty)</b> |        |             |          |
| 3/8-24 nipple  | 31533* | 1 lb        | \$37.00  |
| 3/8-24 to 1/4-18 NPT   | 31534* | 1 lb        | \$37.00  |

\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

#### Dimensions

| Rated Capacity | A            | B    | C    | D    | E    |
|----------------|--------------|------|------|------|------|
| lb/in          |              |      |      |      |      |
| 50 to 300      | 1/4-28 UNF   | 0.65 | 0.46 | 2.00 | 2.40 |
| 500 to 1,000   | 1/2-20 UNF   | 0.90 | 0.71 | 2.00 | 2.40 |
| 2,500          | 1/2-20 UNF   | 1.15 | 0.96 | 2.00 | 2.40 |
| 3,000          | 1/2-20 UNF   | 1.15 | 0.96 | 3.00 | 3.90 |
| 5,000          | 3/4-16 UNF   | 1.15 | 0.96 | 3.00 | 3.90 |
| 10,000         | 3/4-16 UNF   | 1.40 | 1.21 | 3.00 | 3.90 |
| 15,000         | 1-14 UNS     | 1.63 | 1.46 | 3.44 | 5.50 |
| 20,000         | 1 1/4-12 UNF | 1.88 | 1.68 | 4.44 | 7.00 |

#### Interchangeable Products

VPG® REVERE

**9363** ..... page 256

ARTECH®

**SS2010**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension Cell**

**Mount** ..... page 38

#### Specifications

##### Full Scale Output:

3.0 (± 0.008) mV/V

##### Output Resistance:

350 (± 3.5) ohm

##### Input Resistance:

390 (± 15) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.03% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

20 ft

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

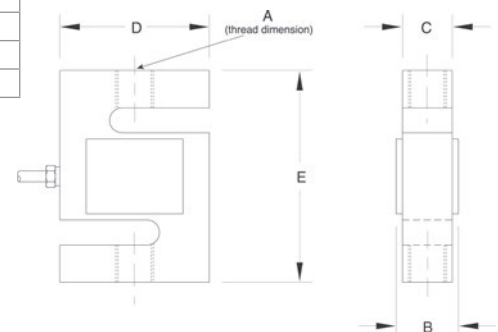
##### Warranty:

Two-year limited

##### Approvals:

NTEP CC 98-078

cFMus Approved





S-BEAM  
**RL20000ST**

Stainless Steel, Environmentally Sealed, NTEP Certified 1:10,000 Class IIIL Single Cell, IP67



Picture is a representation of actual product.

Approvals



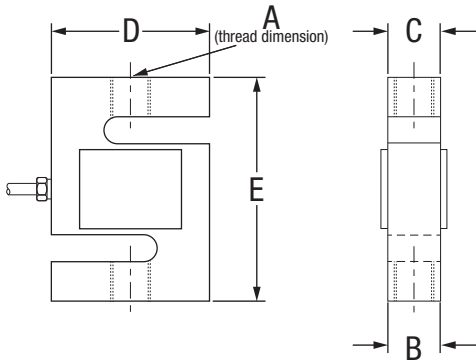
Order Information

| Load Rating   | Part # | Est. Weight | Price    |
|---|--------|-------------|----------|
| 50 lb   | 72741  | 2 lb        | \$334.00 |
| 100 lb  | 72742  | 2 lb        | \$334.00 |
| 200 lb  | 72743  | 2 lb        | \$334.00 |
| 250 lb  | 72744  | 2 lb        | \$334.00 |
| 300 lb  | 72745  | 2 lb        | \$334.00 |
| 500 lb  | 72746  | 2 lb        | \$334.00 |
| 750 lb  | 72747  | 2 lb        | \$334.00 |
| 1,000 lb  | 72748  | 2 lb        | \$334.00 |
| 1,500 lb  | 72749  | 2 lb        | \$334.00 |
| 2,000 lb  | 72750  | 2 lb        | \$334.00 |
| 2,500 lb  | 72751  | 2 lb        | \$334.00 |
| 3,000 lb  | 72752  | 4 lb        | \$440.00 |
| 5,000 lb  | 72753  | 4 lb        | \$545.00 |
| Conduit Adapter Kit* (must be factory installed to maintain warranty) |        |             |          |
| 3/8-24 nipple   | 31533* | 1 lb        | \$37.00  |
| 3/8-24 to 1/4-18 NPT  | 31534* | 1 lb        | \$37.00  |

\*PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit.

Dimensions

| Rated Capacity | A          | B    | C    | D    | E    |
|----------------|------------|------|------|------|------|
| lb/in          |            |      |      |      |      |
| 50 to 300      | 1/4-28 UNF | 0.65 | 0.46 | 2.00 | 2.40 |
| 500 to 1,000   | 1/2-20 UNF | 0.90 | 0.71 | 2.00 | 2.40 |
| 1,500 to 2,500 | 1/2-20 UNF | 1.15 | 0.96 | 2.00 | 2.40 |
| 3,000          | 1/2-20 UNF | 1.15 | 0.96 | 3.00 | 3.90 |
| 5,000          | 3/4-16 UNF | 1.15 | 0.96 | 3.00 | 3.90 |



Specifications

- Full Scale Output:**  
3.0 mV/V
- Output Resistance:**  
350 (±3.5) ohm
- Input Resistance:**  
430 (± 60) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.03% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
20 ft
- Cable Diameter:**  
0.190 in polyurethane jacket
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
Two-year limited
- Approvals:**  
NTEP 03-007  
FM



Picture is a representation of actual product.

## Approvals



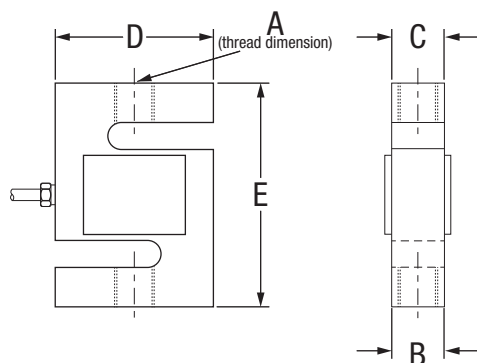
## Order Information

| Load Rating  | Part #        | Est. Weight | Price    |
|--|---------------|-------------|----------|
| 250 lb   | <b>21402</b>  | 2 lb        | \$290.00 |
| 500 lb   | <b>21403</b>  | 2 lb        | \$290.00 |
| 750 lb   | <b>21404</b>  | 2 lb        | \$290.00 |
| 1,000 lb   | <b>21405</b>  | 2 lb        | \$290.00 |
| 1,500 lb   | <b>21406</b>  | 2 lb        | \$290.00 |
| 2,000 lb   | <b>21407</b>  | 3 lb        | \$290.00 |
| 2,500 lb   | <b>21408</b>  | 4 lb        | \$290.00 |
| 3,000 lb   | <b>21409</b>  | 3 lb        | \$334.00 |
| 5,000 lb   | <b>21410</b>  | 4 lb        | \$466.00 |
| 10,000 lb  | <b>21411</b>  | 5 lb        | \$466.00 |
| 15,000 lb  | <b>21412</b>  | 7 lb        | \$588.00 |
| 20,000 lb  | <b>21413</b>  | 16 lb       | \$927.00 |
| <b>Conduit Adapter Kit* (must be factory installed to maintain warranty)</b> |               |             |          |
| 3/8-24 nipple  | <b>31533*</b> | 1 lb        | \$37.00  |
| 3/8-24 to 1/4-18 NPT   | <b>31534*</b> | 1 lb        | \$37.00  |

\*PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

## Dimensions

| Rated Capacity | A            | B    | C    | D    | E    |
|----------------|--------------|------|------|------|------|
| lb/in          |              |      |      |      |      |
| 250            | 3/8-24 UNF   | 0.75 | 0.50 | 2.00 | 3.00 |
| 500 to 2,000   | 1/2-20 UNF   | 1.00 | 0.75 | 2.00 | 3.00 |
| 2,500 to 3,000 | 1/2-20 UNF   | 1.25 | 1.00 | 2.00 | 3.00 |
| 5,000          | 3/4-16 UNF   | 1.25 | 1.00 | 3.00 | 4.25 |
| 10,000         | 3/4-16 UNF   | 1.25 | 1.00 | 3.50 | 4.75 |
| 15,000         | 1-14 UNS     | 1.50 | 1.25 | 4.00 | 5.50 |
| 20,000         | 1 1/4-12 UNF | 2.25 | 2.00 | 5.00 | 7.00 |



## Interchangeable Products

VPG® CELTRON

**STC**.....page 200

VPG® SENSORTRONICS®

**60001**.....page 287

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension Cell**

**Mount**..... page 38

## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

350 (± 3) ohm

**Input Resistance:**

385 (± 5) ohm

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Rated Excitation:**

5 to 10 VAC/DC (15 V maximum)

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

5,000 megohm

**Cable Length:**

20 ft

**Cable Diameter:**

0.200 in polyurethane jacket

**Cable Color Code:**

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

**Warranty:**

Two-year limited

**Approvals:**

cFMus

NTEP 91-046

S-BEAM  
**RL20001HE**

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 Class III/1:10,000 Class IIIL Single Cell, IP68



Picture is a representation of actual product.

Approvals

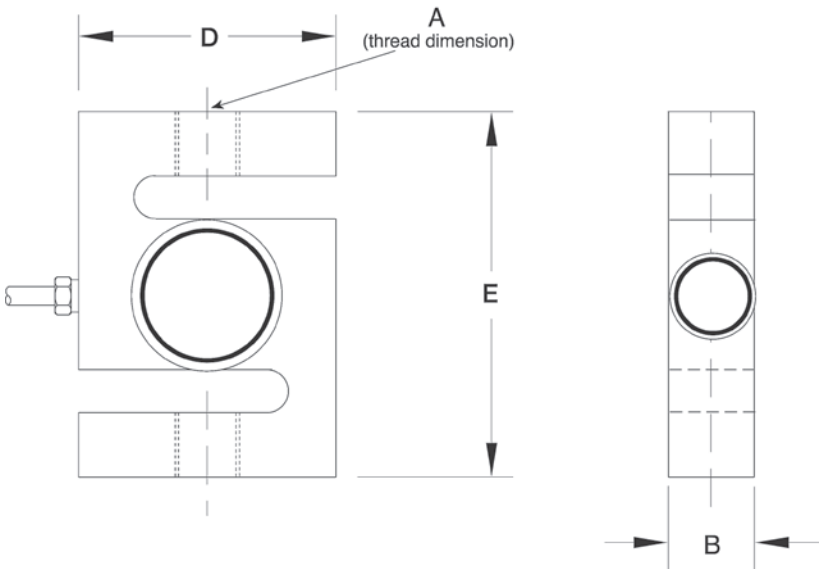


Order Information

| Load Rating               | Part # | Est. Weight | Price      |
|---------------------------|--------|-------------|------------|
| <b>NTEP Certified</b>     |        |             |            |
| 500 lb                    | 46469  | 2 lb        | \$900.00   |
| 750 lb                    | 46470  | 2 lb        | \$900.00   |
| 1,000 lb                  | 46471  | 2 lb        | \$900.00   |
| 1,500 lb                  | 46472  | 2 lb        | \$900.00   |
| 2,000 lb                  | 46473  | 2 lb        | \$900.00   |
| 2,500 lb                  | 46474  | 2 lb        | \$900.00   |
| 3,000 lb                  | 46475  | 2 lb        | \$900.00   |
| 5,000 lb                  | 46476  | 5 lb        | \$1,205.00 |
| <b>Non-NTEP Certified</b> |        |             |            |
| 10,000 lb                 | 36292  | 5 lb        | \$1,205.00 |

Dimensions

| Rated Capacity  | A          | B    | D    | E    |
|-----------------|------------|------|------|------|
| lb/in           |            |      |      |      |
| 500 to 3,000    | 1/2-20 UNF | 1.00 | 2.00 | 3.00 |
| 5,000 to 10,000 | 3/4-16 UNF | 1.00 | 3.50 | 4.75 |



Interchangeable Products

VPG® SENSORTRONICS®  
**60063** ..... page 289

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**ITCM HE Isolated  
Tension Cell Mount**..... page 40

Specifications

**Full Scale Output:**  
2.0 mV/V

**Bridge Resistance:**  
350 ohm, nominal

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Welded-seal, IP68

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5 to 10 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohm

**Cable Length:**  
20 ft

**Cable Diameter:**  
0.200 in polyurethane jacket

**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

**Warranty:**  
Two-year limited

**Approvals:**  
cFMus  
NTEP 98-071



Picture is a representation of actual product.

### Approvals



### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 250 kg      | 31254  | 2 lb        | \$312.00 |
| 500 kg      | 31255  | 2 lb        | \$312.00 |
| 1,000 kg    | 31256  | 2 lb        | \$312.00 |
| 2,500 kg    | 31257  | 3 lb        | \$487.00 |

### Dimensions

| Rated Capacity | A             | B    | C    | D    | E     |
|----------------|---------------|------|------|------|-------|
| kg/mm          |               |      |      |      |       |
| 250 to 1,000   | M12 × 1.75-6H | 25.4 | 19.1 | 50.8 | 76.0  |
| 2,500          | M20 × 1.5-6H  | 31.8 | 25.4 | 76.2 | 108.0 |

### Specifications

#### Full Scale Output:

3.0 mV/V ±0.25%

#### Bridge Resistance:

350 ohm, nominal

#### Material/Finish:

Alloy steel

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VAC/DC (15V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Cable Length:

6 m

#### Cable Diameter:

0.200 in polyurethane jacket

#### Cable Color Code:

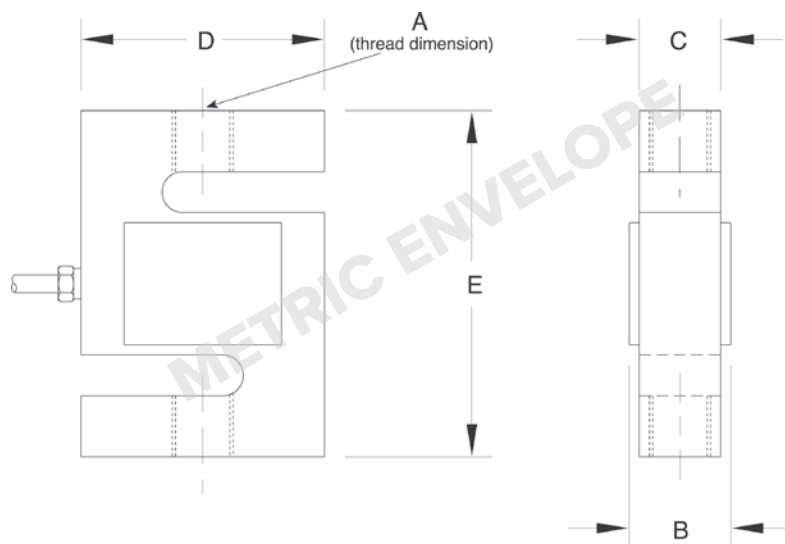
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

#### Warranty:

Two-year limited

#### Approvals:

cFMus  
OIML R60/1991-GB-95-09



RL32022

Alloy Steel, Environmentally Sealed, OIML C3, IP67



Picture is a representation of actual product.

Approvals

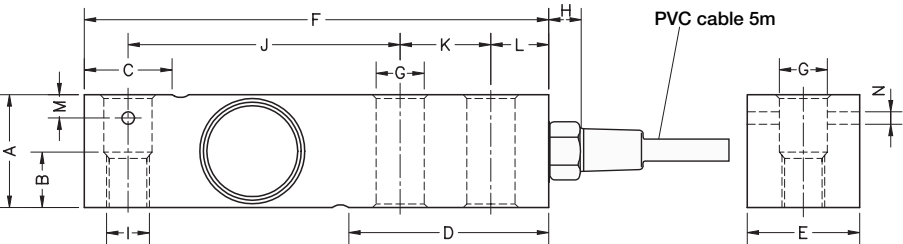


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 300 kg      | 211630 | 0.9 kg      | \$312.00 |
| 500 kg      | 211631 | 0.9 kg      | \$312.00 |
| 750 kg      | 211632 | 0.9 kg      | \$312.00 |
| 1,000 kg    | 211633 | 0.9 kg      | \$312.00 |
| 1,500 kg    | 211634 | 0.9 kg      | \$312.00 |
| 2,000 kg    | 211635 | 0.9 kg      | \$312.00 |

Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F     | G    | H    | I   | J    | K    | L    | M   | N   |
|----------------|------|------|------|------|------|-------|------|------|-----|------|------|------|-----|-----|
| kg/mm          |      |      |      |      |      |       |      |      |     |      |      |      |     |     |
| 300 to 2,000   | 31.5 | 15.0 | 34.6 | 56.0 | 31.5 | 130.0 | 13.5 | 18.0 | M12 | 76.2 | 25.4 | 15.8 | 6.5 | 3.5 |



Specifications

- Full Scale Output:**  
2.0 mV/V  $\pm 0.05\%$  current matched
- Output Resistance:**  
350 ( $\pm 3$ ) ohm
- Input Resistance:**  
400 ( $\pm 20$ ) ohm
- Material/Finish:**  
Alloy steel, nickel plated
- Temperature:**  
Compensated range  
-14 °F to 104 °F (-10° C to 40° C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
10 VDC (15 V maximum)
- Combined Error:**  
0.017% full scale
- Insulation Resistance:**  
>5,000 megohm
- Deflection:**  
0.2 to 0.4 mm
- Cable Length:**  
5 m
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal
- Warranty:**  
Two-year limited
- Approvals:**  
OIML R60/2017-A-NL1-22.11



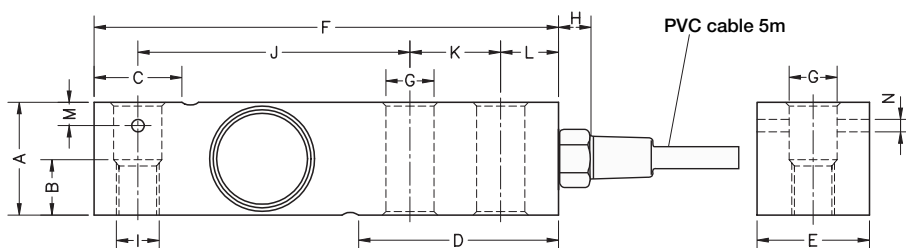
## Approvals



| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 300 kg      | <b>211636</b> | 0.9 kg      | \$350.00 |
| 500 kg      | <b>211637</b> | 0.9 kg      | \$350.00 |
| 750 kg      | <b>211638</b> | 0.9 kg      | \$350.00 |
| 1,000 kg    | <b>211639</b> | 0.9 kg      | \$350.00 |
| 1,500 kg    | <b>211640</b> | 0.9 kg      | \$350.00 |
| 2,000 kg    | <b>211641</b> | 0.9 kg      | \$350.00 |
| 3,000 kg    | <b>211642</b> | 2.2 kg      | \$445.00 |
| 5,000 kg    | <b>211643</b> | 2.2kg       | \$445.00 |

| Rated Capacity | A    | B    | C    | D    | E    | F     | G    | H    | I   | J    | K    | L    | M   | N   |
|----------------|------|------|------|------|------|-------|------|------|-----|------|------|------|-----|-----|
| kg/mm          |      |      |      |      |      |       |      |      |     |      |      |      |     |     |
| 300 to 2,000   | 31.5 | 15.0 | 34.6 | 56.0 | 31.5 | 130.0 | 13.5 | 18.0 | M12 | 76.2 | 25.4 | 15.8 | 6.5 | 3.5 |
| 3,000 to 5,000 | 48.0 | -    | 37.0 | 76.0 | 41.5 | 171.5 | 20.5 | 18.0 | -   | 75.2 | 38.1 | 19.0 | -   | -   |

**Approvals:**  
OIML





RL32018

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP66



Picture is a representation of actual product.

Approvals



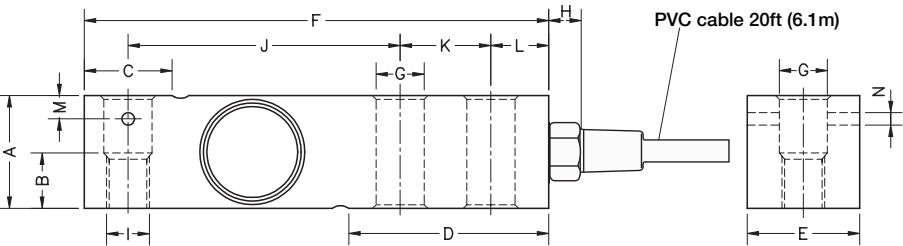
Order Information

| Load Rating           | Part # | Est. Weight | Price    |
|-----------------------|--------|-------------|----------|
| NTEP Certified        |        |             |          |
| 1,000 lb              | 189152 | 2 lb        | \$312.00 |
| 1,500 lb              | 191732 | 2 lb        | \$312.00 |
| 2,000 lb              | 189153 | 2 lb        | \$312.00 |
| 2,500 lb              | 189154 | 2 lb        | \$312.00 |
| 3,000 lb              | 189155 | 5 lb        | \$312.00 |
| 4,000 lb              | 189156 | 5 lb        | \$312.00 |
| 5,000 lb SE           | 189157 | 5 lb        | \$312.00 |
| 5,000 lb LE           | 189158 | 5 lb        | \$398.00 |
| 10,000 lb             | 189159 | 5 lb        | \$398.00 |
| Non-NTEP Certified    |        |             |          |
| 250 lb                | 189150 | 2 lb        | \$312.00 |
| 500 lb*               | 189151 | 2 lb        | \$312.00 |
| 15,000 lb*            | 189160 | 10 lb       | \$683.00 |
| 20,000 lb*            | 189161 | 10 lb       | \$683.00 |
| With Over Braid Cable |        |             |          |
| 20,000 lb*            | 197558 | 10 lb       | \$768.00 |

SE=small envelope; LE=large envelope  
\* Pending NTEP

Dimensions

| Rated Capacity<br>lb/in | A    | B    | C    | D    | E    | F    | G    | H    | I          | J    | K    | L    | M    | N    |
|-------------------------|------|------|------|------|------|------|------|------|------------|------|------|------|------|------|
| 250 to 500              | 1.00 | 0.59 | 0.96 | 2.20 | 1.24 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 1,000 to 5,000 SE       | 1.24 | 0.59 | 0.96 | 2.20 | 1.24 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 5,000 LE to 10,000      | 1.50 | -    | 1.45 | 2.99 | 1.50 | 6.75 | 0.80 | 0.70 | 3/4-16 UNF | 3.75 | 1.50 | 0.75 | -    | -    |
| 15,000 to 20,000        | 2.00 | -    | -    | 4.00 | 2.00 | 8.75 | 1.06 | -    | 1-14 UNS   | 4.90 | 2.00 | 1.00 | -    | -    |



Interchangeable Products

VPG® SENSORTRONICS®  
**65023A**..... page 293  
VPG® CELTRON  
**SQB**..... page 203

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL50210TA**..... page 41  
RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series**..... page 52

Specifications

**Full Scale Output:**  
3.0 mV/V ±0.05% current matched

**Output Resistance:**  
350 (± 3) ohm

**Input Resistance:**  
400 (± 20) ohm

**Material/Finish:**  
Alloy steel, nickel plated

**Temperature:**  
Compensated range  
-14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Environmentally sealed, IP66

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
10 VDC (15 V maximum)

**Combined Error:**  
0.017% full scale

**Insulation Resistance:**  
>5,000 megohm

**Deflection:**  
0.2 to 0.4 mm

**Cable Length:**  
20 ft

**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

**Warranty:**  
Two-year limited

**Approvals:**  
NTEP 18-106  
cFMus FM18US0307X



Picture is a representation of actual product.

#### Approvals



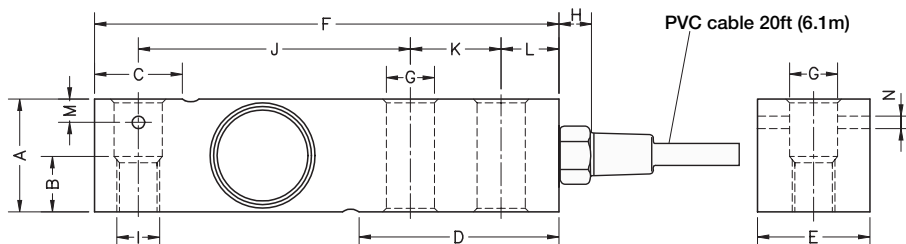
#### Order Information

| Load Rating               | Part #        | Est. Weight | Price    |
|---------------------------|---------------|-------------|----------|
| <b>NTEP Certified</b>     |               |             |          |
| 1,000 lb                  | <b>207842</b> | 2 lb        | \$344.00 |
| 1,500 lb                  | <b>207843</b> | 2 lb        | \$344.00 |
| 2,000 lb                  | <b>207844</b> | 2 lb        | \$344.00 |
| 2,500 lb                  | <b>207845</b> | 2 lb        | \$344.00 |
| 3,000 lb                  | <b>207846</b> | 5 lb        | \$344.00 |
| 4,000 lb                  | <b>207847</b> | 5 lb        | \$344.00 |
| 5,000 lb SE               | <b>207848</b> | 5 lb        | \$344.00 |
| 5,000 lb LE               | <b>207850</b> | 5 lb        | \$434.00 |
| 10,000 lb                 | <b>207851</b> | 5 lb        | \$434.00 |
| <b>Non-NTEP Certified</b> |               |             |          |
| 15,000 lb                 | <b>207852</b> | 10 lb       | \$715.00 |
| 20,000 lb                 | <b>207853</b> | 10 lb       | \$715.00 |

SE=small envelope; LE=large envelope

#### Dimensions

| Rated Capacity     | A    | B    | C    | D    | E    | F    | G    | H    | I          | J    | K    | L    | M    | N    |
|--------------------|------|------|------|------|------|------|------|------|------------|------|------|------|------|------|
| lb/in              |      |      |      |      |      |      |      |      |            |      |      |      |      |      |
| 1,000 to 5,000 SE  | 1.24 | 0.59 | 0.96 | 2.20 | 1.24 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 5,000 LE to 10,000 | 1.50 | -    | 1.45 | 2.99 | 1.50 | 6.75 | 0.80 | 0.70 | 3/4-16 UNF | 3.75 | 1.50 | 0.75 | -    | -    |
| 15,000 to 20,000   | 2.00 | -    | -    | 4.00 | 2.00 | 8.75 | 1.06 | -    | 1-14 UNS   | 4.90 | 2.00 | 1.00 | -    | -    |



#### Interchangeable Products

VPG® SENSORTRONICS®  
**65023A**..... page 293  
VPG® CELTRON  
**SQB**..... page 203

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL50210TA**..... page 41  
RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series**..... page 52

#### Specifications

**Full Scale Output:**  
3.0 mV/V ±0.05% current matched

**Output Resistance:**  
350 (± 3) ohm

**Input Resistance:**  
400 (± 20) ohm

**Material/Finish:**  
Alloy steel, nickel plated, painted

**Temperature:**  
Compensated range  
-14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Environmentally sealed, IP66

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
10 VDC (15 V maximum)

**Combined Error:**  
0.017% full scale

**Insulation Resistance:**  
>5,000 megohm

**Deflection:**  
0.2 to 0.4 mm

**Cable Length:**  
20 ft

**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

**Warranty:**  
Two-year limited

**Approvals:**  
cFMus  
NTEP 18-106

RL32018S

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP66



Picture is a representation of actual product.

Approvals



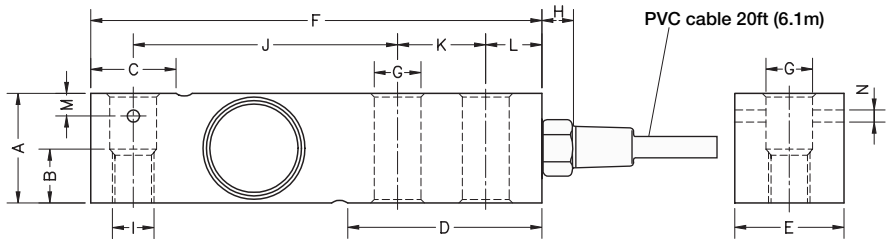
Order Information

| Load Rating        | Part # | Est. Weight | Price    |
|--------------------|--------|-------------|----------|
| NTEP Certified     |        |             |          |
| 1,000 lb           | 189164 | 3 lb        | \$344.00 |
| 2,000 lb           | 189165 | 3 lb        | \$344.00 |
| 2,500 lb           | 189166 | 3 lb        | \$344.00 |
| 4,000 lb           | 189167 | 3 lb        | \$344.00 |
| 5,000 lb SE        | 189168 | 3 lb        | \$344.00 |
| 5,000 lb LE        | 189169 | 5 lb        | \$440.00 |
| 10,000 lb          | 189170 | 5 lb        | \$440.00 |
| Non-NTEP Certified |        |             |          |
| 250 lb             | 189162 | 3 lb        | \$344.00 |
| 500 lb*            | 189163 | 3 lb        | \$344.00 |
| 15,000 lb*         | 189171 | 10 lb       | \$736.00 |
| 20,000 lb*         | 189172 | 10 lb       | \$736.00 |

SE=small envelope; LE=large envelope  
\*Pending NTEP

Dimensions

| Rated Capacity     | A    | B    | C    | D    | E    | F    | G    | H    | I          | J    | K    | L    | M    | N    |
|--------------------|------|------|------|------|------|------|------|------|------------|------|------|------|------|------|
| lb/in              |      |      |      |      |      |      |      |      |            |      |      |      |      |      |
| 250 to 500         | 1.00 | 0.59 | 0.96 | 2.20 | 1.24 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 1,000 to 5,000 SE  | 1.24 | 0.59 | 0.96 | 2.20 | 1.24 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 5,000 LE to 10,000 | 1.50 | -    | 1.45 | 2.99 | 1.50 | 6.75 | 0.80 | 0.70 | 3/4-16 UNF | 3.75 | 1.50 | 0.75 | -    | -    |
| 15,000 to 20,000   | 2.00 | -    | -    | 4.00 | 2.00 | 8.75 | 1.06 | -    | 1-14 UNS   | 4.90 | 2.00 | 1.00 | -    | -    |



Interchangeable Products

|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| RL35023S                   | page 126 |
| VPG® SENSORTRONICS®        |          |
| 65023S                     | page 295 |
| VPG® SENSORTRONICS®        |          |
| 65023SS                    | page 294 |
| VPG® CELTRON               |          |
| SQB-HSS                    | page 204 |

Weigh Module Available

|                            |         |
|----------------------------|---------|
| RICE LAKE WEIGHING SYSTEMS |         |
| RL50210TA                  | page 41 |
| RICE LAKE WEIGHING SYSTEMS |         |
| RL1800 Series              | page 52 |

Specifications

- Full Scale Output:**  
3.0 mV/V ±0.05% current matched
- Output Resistance:**  
350 (± 3) ohm
- Input Resistance:**  
400 (± 20) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP66
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
10 VDC (15 V maximum)
- Combined Error:**  
0.017% full scale
- Insulation Resistance:**  
>5,000 megohm
- Deflection:**  
0.2 to 0.4 mm
- Cable Length:**  
20 ft
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
Two-year limited
- Approvals:**  
cFMus  
NTEP 18-106



Picture is a representation of actual product.

## Approvals



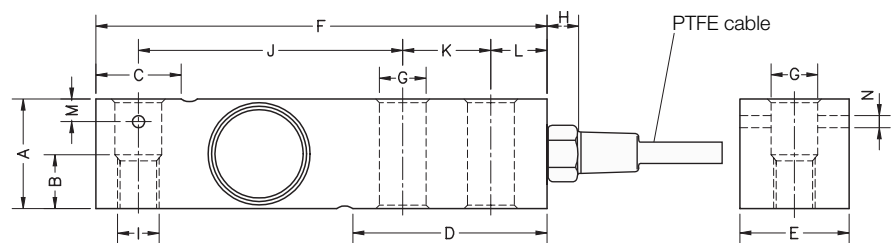
## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 190654 | 3 lb        | \$371.00 |
| 2,000 lb    | 190655 | 3 lb        | \$371.00 |
| 2,500 lb    | 190656 | 3 lb        | \$371.00 |
| 4,000 lb    | 190657 | 3 lb        | \$371.00 |
| 5,000 lb SE | 190658 | 3 lb        | \$371.00 |
| 5,000 lb LE | 190659 | 5 lb        | \$418.00 |
| 10,000 lb   | 190660 | 5 lb        | \$418.00 |

SE=small envelope; LE=large envelope

## Dimensions

| Rated Capacity     | A    | B    | C    | D    | E    | F    | G    | H    | I          | J    | K    | L    | M    | N    |
|--------------------|------|------|------|------|------|------|------|------|------------|------|------|------|------|------|
| lb/in              |      |      |      |      |      |      |      |      |            |      |      |      |      |      |
| 1,000 to 5,000 SE  | 1.24 | 0.59 | 0.96 | 2.20 | 1.25 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 5,000 LE to 10,000 | 1.50 | —    | 1.45 | 2.99 | 1.50 | 6.75 | 0.80 | 0.70 | 3/4-16 UNF | 3.75 | 1.50 | 0.75 | —    | —    |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL32018S-HE.....page 116

VPG® SENSORTRONICS®

65083.....page 296

VPG® CELTRON

SQB-HSS.....page 204

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1800 Series.....page 52

## Specifications

### Full Scale Output:

3.0 mV/V  $\pm$ 0.05% current matched

### Output Resistance:

350 ( $\pm$  3) ohm

### Input Resistance:

400 ( $\pm$  20) ohm

### Material/Finish:

Stainless steel

### Temperature:

Compensated range

-14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Hermetically sealed, IP69K

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

10 VDC (15 V maximum)

### Combined Error:

0.017% full scale

### Insulation Resistance:

>5,000 megohm

### Deflection:

0.2 to 0.4 mm

### Cable Length:

20 ft PTFE cable

### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

### Warranty:

Two-year limited

### Approvals:

cFMus

SINGLE-ENDED BEAM  
**RL32018S-HE**

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP69K



Picture is a representation of actual product.

Approvals

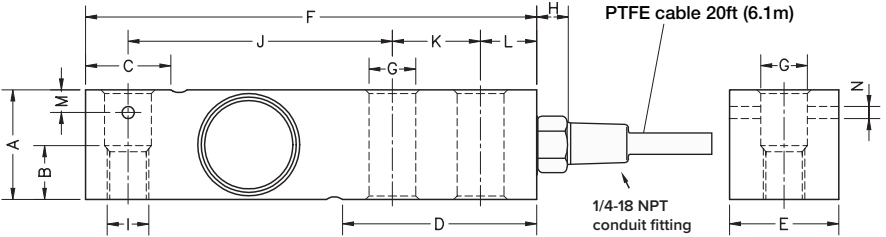


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 500 lb      | 189175 | 3 lb        | \$429.00 |
| 1,000 lb    | 189176 | 3 lb        | \$429.00 |
| 2,000 lb    | 189178 | 3 lb        | \$429.00 |
| 2,500 lb    | 189179 | 3 lb        | \$429.00 |
| 4,000 lb    | 189181 | 3 lb        | \$429.00 |
| 5,000 lbSE  | 208667 | 3 lb        | \$429.00 |
| 5,000 lb    | 189182 | 5 lb        | \$477.00 |
| 10,000 lb   | 189183 | 5 lb        | \$477.00 |

Dimensions

| Rated Capacity  | A    | B    | C    | D    | E    | F    | G    | H    | I          | J    | K    | L    | M    | N    |
|-----------------|------|------|------|------|------|------|------|------|------------|------|------|------|------|------|
| lb/in           |      |      |      |      |      |      |      |      |            |      |      |      |      |      |
| 500 to 5,000 SE | 1.24 | 0.59 | 0.96 | 2.20 | 1.24 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 5,000 to 10,000 | 1.50 | 0.75 | 1.45 | 2.99 | 1.50 | 6.75 | 0.80 | 0.70 | 3/4-16 UNF | 3.75 | 1.50 | 0.75 | -    | -    |



RICE LAKE  
LOAD CELLS

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
**RL32018S-P (non-NTEP)**...page 115  
VPG® SENSORTRONICS®  
**65083**..... page 296  
VPG® CELTRON  
**SQB-HSS** ..... page 204

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series** ..... page 52

Specifications

**Full Scale Output:**  
3.0 mV/V  $\pm 0.05\%$  current matched

**Output Resistance:**  
350 ( $\pm 3$ ) ohm

**Input Resistance:**  
400 ( $\pm 20$ ) ohm

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 200 °F (-18 °C to 93 °C)

**Seal Type:**  
Hermetically sealed, IP69K

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5 to 10 VDC (15 V maximum)

**Combined Error:**  
0.017% full scale

**Insulation Resistance:**  
>5,000 megohm

**Cable Length:**  
20 ft PTFE cable

**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

**Warranty:**  
Two-year limited

**Approvals:**  
cFMus  
NTEP 18-106



Picture is a representation of actual product.

## Approvals

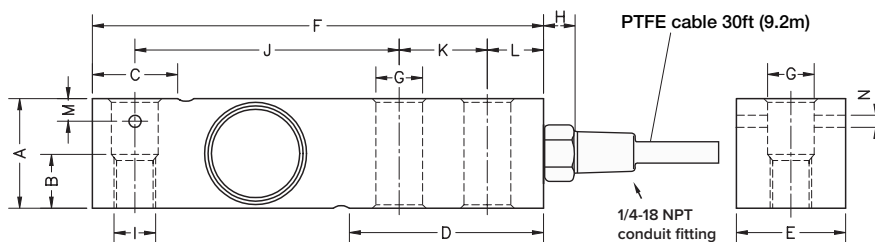


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 191629 | 4 lb        | \$482.00 |
| 2,500 lb    | 191630 | 4 lb        | \$482.00 |
| 4,000 lb    | 191631 | 4 lb        | \$482.00 |
| 5,000 lbSE  | 208668 | 4 lb        | \$482.00 |
| 5,000 lb    | 191632 | 6 lb        | \$535.00 |
| 10,000 lb   | 191633 | 6 lb        | \$535.00 |

## Dimensions

| Rated Capacity  | A    | B    | C    | D    | E    | F    | G    | H    | I          | J    | K    | L    | M    | N    |
|-----------------|------|------|------|------|------|------|------|------|------------|------|------|------|------|------|
| lb/in           |      |      |      |      |      |      |      |      |            |      |      |      |      |      |
| 1,000 to 4,000  | 1.24 | 0.59 | 0.96 | 2.20 | 1.24 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 5,000 to 10,000 | 1.50 | 0.75 | 1.45 | 2.99 | 1.50 | 6.75 | 0.80 | 0.70 | 3/4-16 UNF | 3.75 | 1.50 | 0.75 | —    | —    |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL35082**

VPG® SENSORTRONICS®

**65083S** (20 ft cable) .....page 297

## Specifications

### Full Scale Output:

2.0 mV/V  $\pm 0.05\%$  current matched

### Output Resistance:

350 ( $\pm 3$ ) ohm

### Input Resistance:

400 ( $\pm 20$ ) ohm

### Material/Finish:

Stainless steel

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 200 °F (-18 °C to 93 °C)

### Seal Type:

Hermetically sealed, IP69K

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.017% full scale

### Insulation Resistance:

>5,000 megohm

### Deflection:

0.2 to 0.4 mm

### Cable Length:

30 ft PTFE cable

### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

### Warranty:

Two-year limited

### Approvals:

cFMus

NTEP 18-106



RL32218S-HE

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP69K



Picture is a representation of actual product.

Approvals

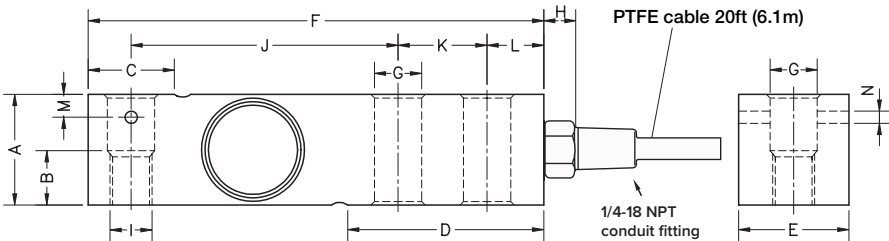


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 191634 | 3 lb        | \$429.00 |
| 2,500 lb    | 191635 | 3 lb        | \$429.00 |
| 4,000 lb    | 191636 | 3 lb        | \$429.00 |
| 5,000 lbSE  | 208669 | 3 lb        | \$429.00 |
| 5,000 lb    | 191637 | 5 lb        | \$477.00 |
| 10,000 lb   | 191638 | 5 lb        | \$477.00 |

Dimensions

| Rated Capacity  | A    | B    | C    | D    | E    | F    | G    | H    | I          | J    | K    | L    | M    | N    |
|-----------------|------|------|------|------|------|------|------|------|------------|------|------|------|------|------|
| lb/in           |      |      |      |      |      |      |      |      |            |      |      |      |      |      |
| 1,000 to 4,000  | 1.24 | 0.59 | 0.96 | 2.20 | 1.24 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 5,000 to 10,000 | 1.50 | 0.75 | 1.45 | 2.99 | 1.50 | 6.75 | 0.80 | 0.70 | 3/4-16 UNF | 3.75 | 1.50 | 0.75 | -    | -    |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
RL35082  
VPG® SENSORTRONICS®  
65083S .....page 297

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
RL50210TA ..... page 41  
RICE LAKE WEIGHING SYSTEMS  
RL1800 Series ..... page 52

Specifications

**Full Scale Output:**  
2.0 mV/V ±0.05% current matched

**Output Resistance:**  
350 (± 3) ohm

**Input Resistance:**  
400 (± 20) ohm

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 200 °F (-18 °C to 93 °C)

**Seal Type:**  
Hermetically sealed, IP69K

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5 to 10 VDC (15 V maximum)

**Combined Error:**  
0.017% full scale

**Insulation Resistance:**  
>5,000 megohm

**Cable Length:**  
20 ft PTFE cable

**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

**Warranty:**  
Two-year limited

**Approvals:**  
cFMus  
NTEP 18-106



Picture is a representation of actual product.

### Approvals

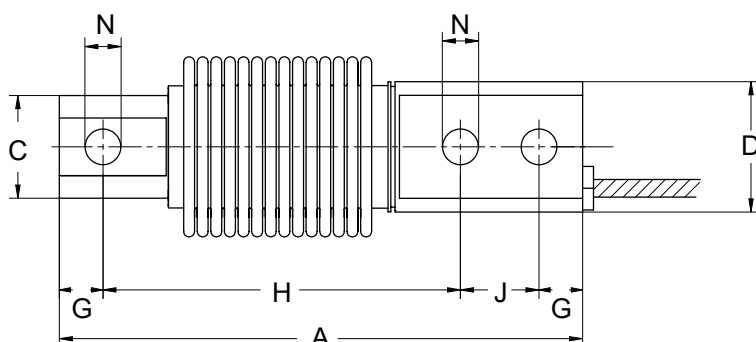
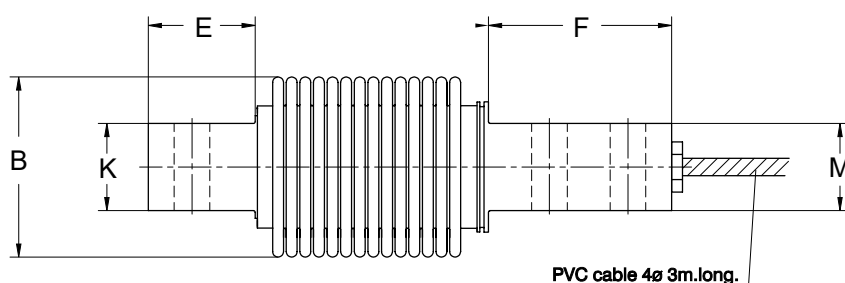


### Order Information

| Load Rating           | Part #        | Est. Weight | Price    |
|-----------------------|---------------|-------------|----------|
| <b>NTEP Certified</b> |               |             |          |
| 5 kg                  | <b>188691</b> | 2 lb        | \$524.00 |
| 10 kg                 | <b>188692</b> | 2 lb        | \$524.00 |
| 20 kg                 | <b>188693</b> | 2 lb        | \$524.00 |
| 30 kg                 | <b>188694</b> | 2 lb        | \$524.00 |
| 50 kg                 | <b>188702</b> | 2 lb        | \$524.00 |
| 75 kg                 | <b>188695</b> | 2 lb        | \$524.00 |
| 100 kg                | <b>188696</b> | 2 lb        | \$524.00 |
| 200 kg                | <b>188697</b> | 2 lb        | \$524.00 |
| 250 kg                | <b>188698</b> | 2 lb        | \$524.00 |
| 300 kg                | <b>188699</b> | 2 lb        | \$524.00 |
| 500 kg                | <b>188700</b> | 2 lb        | \$524.00 |

### Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F    | G    | H    | J    | K    | M    | N   |
|----------------|-------|------|------|------|------|------|------|------|------|------|------|-----|
| kg/mm          |       |      |      |      |      |      |      |      |      |      |      |     |
| 5 to 500       | 120.0 | 41.5 | 23.5 | 30.0 | 24.5 | 42.0 | 10.0 | 82.0 | 18.0 | 20.0 | 20.0 | 8.2 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLHBB**

VPG® TEDEA®

**355**..... page 321

### Specifications

#### Full Scale Output:

2.0 mV/V  $\pm 10\%$  current matched

#### Output Resistance:

350 ( $\pm 3$ ) ohm

#### Input Resistance:

400 ( $\pm 20$ ) ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Hermetically sealed, IP68/IP69K

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.017% full scale

#### Insulation Resistance:

>5,000 megohm

#### Deflection:

0.2 to 0.4 mm

#### Cable Length:

3 m

#### Cable Material:

PVC

#### Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Yellow -Sense

#### Warranty:

Two-year limited

#### Approvals:

NTEP 18-107

OIML R60/2017-A-NL1-19.27

cFMus FM18US0307X



Picture is a representation of actual product.

#### Approvals



#### Order Information

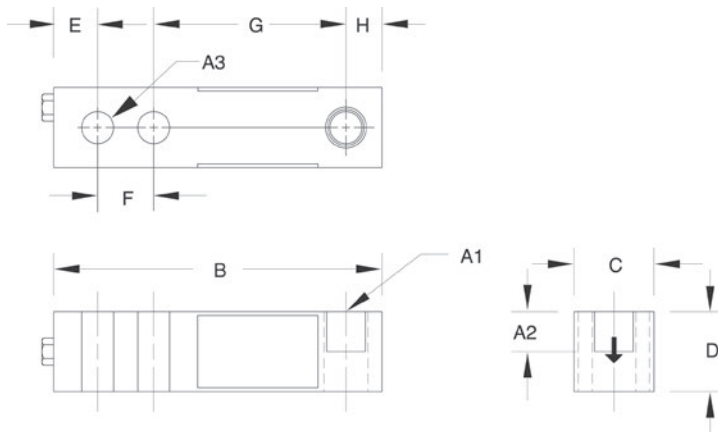
| Load Rating   | Part # | Est. Weight | Price    |
|---|--------|-------------|----------|
| <b>NTEP Certified</b>   |        |             |          |
| 1,000 lb  | 21491  | 3 lb        | \$312.00 |
| 2,000 lb  | 21493  | 3 lb        | \$312.00 |
| 2,500 lb  | 21495  | 3 lb        | \$312.00 |
| 3,000 lb  | 21497  | 3 lb        | \$312.00 |
| 4,000 lb  | 21498  | 3 lb        | \$312.00 |
| 5,000 lb SE   | 21500  | 3 lb        | \$312.00 |
| 5,000 lb LE   | 21501  | 5 lb        | \$398.00 |
| 10,000 lb   | 21503  | 5 lb        | \$398.00 |
| <b>Non-NTEP Certified</b>   |        |             |          |
| 250 lb  | 17341  | 3 lb        | \$312.00 |
| 500 lb  | 17342  | 3 lb        | \$312.00 |
| 20,000 lb   | 17109  | 10 lb       | \$684.00 |
| <b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b> |        |             |          |
| 3/8-24 nipple   | 31533* | 1 lb        | \$37.00  |
| 3/8-24 to 1/4-18 NPT  | 31534* | 1 lb        | \$37.00  |

SE=small envelope; LE=large envelope

\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

#### Dimensions

| Rated Capacity     | A1         | A2   | A3   | B    | C    | D    | E    | F    | G    | H    |
|--------------------|------------|------|------|------|------|------|------|------|------|------|
| <b>lb/in</b>       |            |      |      |      |      |      |      |      |      |      |
| 250 to 5,000 SE    | 1/2-20 UNF | 0.60 | 0.53 | 5.12 | 1.25 | 1.25 | 0.62 | 1.00 | 3.00 | 0.50 |
| 5,000 LE to 10,000 | 3/4-16 UNF | 0.75 | 0.78 | 6.75 | 1.50 | 1.50 | 0.75 | 1.50 | 3.75 | 0.75 |
| 20,000             | 1-14 UNF   | 1.00 | 1.03 | 8.75 | 2.00 | 2.00 | 1.00 | 2.00 | 4.75 | 1.00 |



#### Interchangeable Products

VPG® REVERE

**5123**..... page 258

VPG® TEDEA-HUNTLEIGH

**3411**..... page 318

ARTECH®

**30310**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 41

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 52

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Bridge Resistance:

350 ohm, nominal

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VAC/DC (15V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

250 to 1,000 lb: 0.013 in

2,000 to 3,000 lb: 0.015 in

4,000 to 5,000 lb: 0.025 in

10,000 lb: 0.032 in

20,000 lb: 0.038 in

##### Cable Length:

20 ft

##### Cable Diameter:

0.200 in polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

Two-year limited

##### Approvals:

cFMus

NTEP 98-043

# SINGLE-ENDED BEAM RL30002 Thru Hole

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 III L Class III Multiple Cell, IP67



Picture is a representation of actual product.

## Approvals



## Order Information

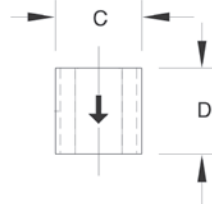
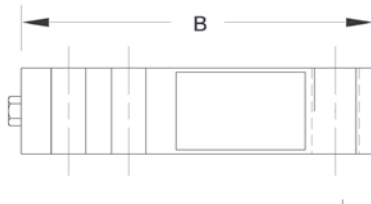
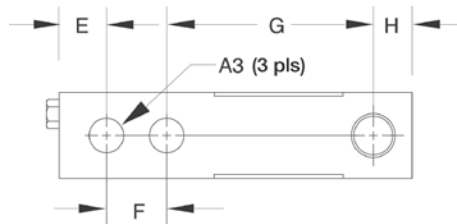
| Load Rating   | Part # | Est. Weight | Price    |
|---|--------|-------------|----------|
| <b>NTEP Certified</b>   |        |             |          |
| 1,000 lb  | 21521  | 3 lb        | \$312.00 |
| 2,000 lb  | 21522  | 3 lb        | \$312.00 |
| 2,500 lb  | 21523  | 3 lb        | \$312.00 |
| 4,000 lb  | 21524  | 3 lb        | \$312.00 |
| 5,000 lb SE   | 21525  | 3 lb        | \$312.00 |
| <b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b> |        |             |          |
| 3/8-24 nipple   | 31533* | 1 lb        | \$37.00  |
| 3/8-24 to 1/4-18 NPT  | 31534* | 1 lb        | \$37.00  |

SE=small envelope

\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

## Dimensions

| Rated Capacity    | A3   | B    | C    | D    | E    | F    | G    | H    |
|-------------------|------|------|------|------|------|------|------|------|
| lb/in             |      |      |      |      |      |      |      |      |
| 1,000 to 5,000 SE | 0.53 | 5.12 | 1.25 | 1.25 | 0.62 | 1.00 | 3.00 | 0.50 |



## Interchangeable Products

VPG® TEDEA-HUNTLEIGH

3410

ARTECH®

30210

## Specifications

### Full Scale Output:

3.0 mV/V

### Bridge Resistance:

350 ohm, nominal

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Deflection at Capacity:

1,000 lb: 0.013 in

2,000 to 3,000 lb: 0.015 in

4,000 to 5,000 lb: 0.025 in

### Cable Length:

20 ft

### Cable Diameter:

0.200 in polyurethane jacket

### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

### Warranty:

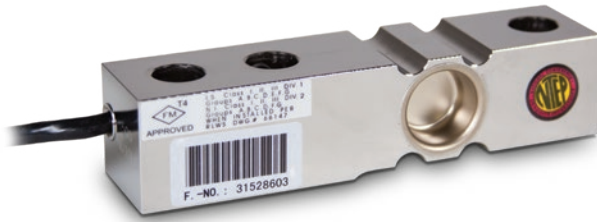
Two-year limited

### Approvals:

cFMus

NTEP 98-043

RICE LAKE  
LOAD CELLS



Picture is a representation of actual product.

#### Approvals

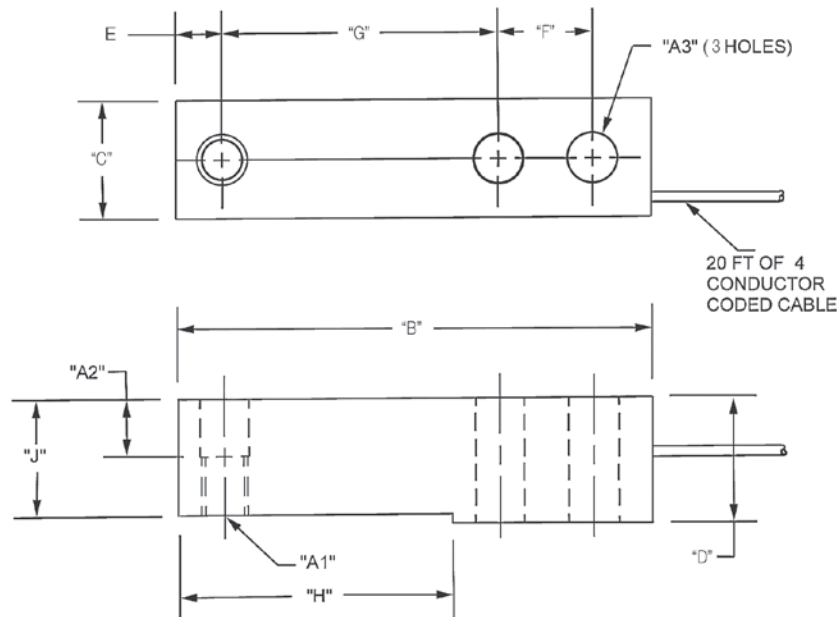


#### Order Information

| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 500 lb      | <b>106038</b> | 4 lb        | \$371.00 |
| 5,000 lb    | <b>106042</b> | 4 lb        | \$350.00 |

#### Dimensions

| Rated Capacity | A1         | A2   | A3   | C    | D    | B    | E    | F    | G    | H    | J     |
|----------------|------------|------|------|------|------|------|------|------|------|------|-------|
| lb/in          |            |      |      |      |      |      |      |      |      |      |       |
| 500 to 5,000   | 1/2-20 UNF | 0.62 | 0.53 | 1.21 | 1.19 | 5.12 | 0.50 | 1.00 | 3.00 | 2.85 | 1.120 |



#### Interchangeable Products

|                             |          |
|-----------------------------|----------|
| HBK®                        |          |
| <b>H35</b> .....            | page 236 |
| METTLER TOLEDO®             |          |
| <b>500 lb-8 ft cable</b>    |          |
| TB601019-008                |          |
| <b>1,000 lb-20 ft cable</b> |          |
| TB601016-020                |          |
| <b>2,500 lb-8 ft cable</b>  |          |
| TB601016-008                |          |

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

350 ohm, nominal

##### Input Resistance:

385 ohm, nominal

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Welded-seal, IP67

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

0.02 in

##### Cable Length:

20 ft

##### Cable Diameter:

0.190 in polyurethane jacket

##### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

##### Warranty:

Two-year limited

##### Approvals:

FM

NTEP 06-023



Picture is a representation of actual product.

## Approvals



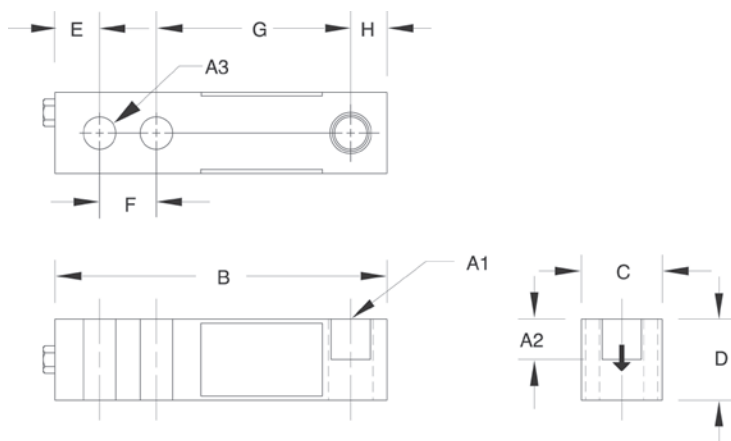
## Order Information

| Load Rating   | Part #        | Est. Weight | Price    |
|---|---------------|-------------|----------|
| <b>20 ft Cables</b>   |               |             |          |
| 250 lb  | <b>17386</b>  | 3 lb        | \$344.00 |
| 500 lb  | <b>17387</b>  | 3 lb        | \$344.00 |
| 1,000 lb  | <b>17189</b>  | 3 lb        | \$344.00 |
| 2,500 lb  | <b>17191</b>  | 3 lb        | \$344.00 |
| 4,000 lb  | <b>17193</b>  | 3 lb        | \$344.00 |
| 5,000 lb  | <b>17194</b>  | 5 lb        | \$439.00 |
| 10,000 lb   | <b>17195</b>  | 5 lb        | \$439.00 |
| <b>30 ft Cables</b>   |               |             |          |
| 4,000 lb  | <b>95562</b>  | 3 lb        | \$365.00 |
| <b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b> |               |             |          |
| 3/8-24 nipple   | <b>31533*</b> | 1 lb        | \$37.00  |
| 3/8-24 to 1/4-18 NPT  | <b>31534*</b> | 1 lb        | \$37.00  |

\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

## Dimensions

| Rated Capacity  | A1         | A2   | A3   | B    | C    | D    | E    | F    | G    | H    |
|-----------------|------------|------|------|------|------|------|------|------|------|------|
| lb/in           |            |      |      |      |      |      |      |      |      |      |
| 250 to 4,000    | 1/2-20 UNF | 0.60 | 0.53 | 5.12 | 1.25 | 1.25 | 0.62 | 1.00 | 3.00 | 0.50 |
| 5,000 to 10,000 | 3/4-16 UNF | 0.75 | 0.78 | 6.75 | 1.50 | 1.50 | 0.75 | 1.50 | 3.75 | 0.75 |



## Interchangeable Products

VPG® REVERE

**9123**..... page 259

ARTECH®

**SS30310**

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 41

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 52

## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

349 to 355 ohm

**Input Resistance:**

343 to 357 ohm

**Material/Finish:**

Stainless steel

**Temperature:**

Operating range:  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5 to 10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohm

**Deflection at Capacity:**

250 to 1,000 lb: 0.013 in  
2,000 to 3,000 lb: 0.015 in  
4,000 to 5,000 lb: 0.025 in  
10,000 lb: 0.32 in

**Cable Length:**

20 ft

30 ft

**Cable Diameter:**

0.200 in polyurethane jacket

**Cable Color Code:**

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

**Warranty:**

Two-year limited

**Approvals:**

cFMus



SINGLE-ENDED BEAM  
**RL32018S-T**

Stainless Steel, Hermetically Sealed, NTEP Certified, 1:5,000 Class III Multiple Cell, IP69K



Picture is a representation of actual product.

Approvals

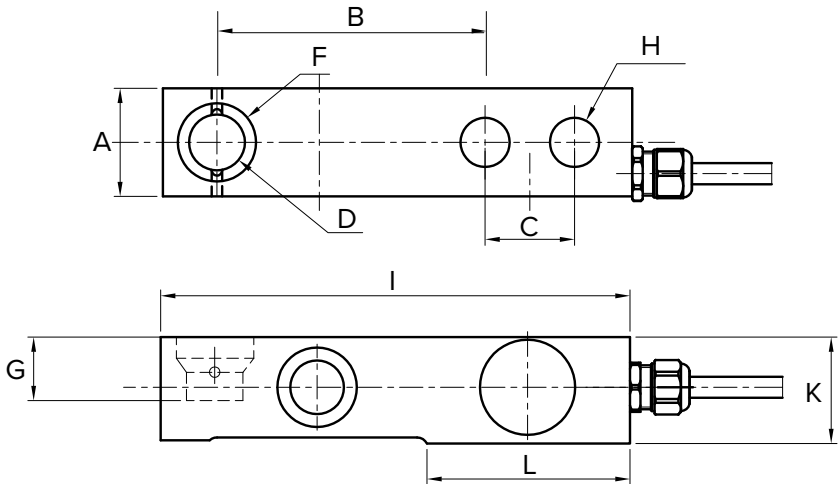


Order Information

| Load Rating                  | Part # | Est. Weight | Price    |
|------------------------------|--------|-------------|----------|
| <b>15 ft Cable</b>           |        |             |          |
| 500 lb                       | 189189 | 3 lb        | \$477.00 |
| 1,250 lb                     | 189190 | 3 lb        | \$477.00 |
| 2,500 lb                     | 189191 | 3 lb        | \$477.00 |
| 5,000 lb                     | 189192 | 5 lb        | \$630.00 |
| 10,000 lb                    | 189193 | 5 lb        | \$758.00 |
| <b>30 ft Cable</b>           |        |             |          |
| 500 lb                       | 191974 | 3 lb        | \$503.00 |
| 1,250 lb                     | 191975 | 3 lb        | \$503.00 |
| 2,500 lb                     | 191976 | 3 lb        | \$503.00 |
| 5,000 lb                     | 191977 | 5 lb        | \$662.00 |
| 10,000 lb                    | 191978 | 5 lb        | \$790.00 |
| <b>Replacement load pins</b> |        |             |          |
| Rocker pin 500 to 2.5 K      | 108612 | 1 lb        | \$85.00  |
| Rocker pin 5 K               | 130408 | 1 lb        | \$90.00  |
| Rocker pin 10 K              | 131376 | 1 lb        | \$130.00 |
| O-ring (two per pin)         | 108202 | 1 lb        | \$1.00   |

Dimensions

| Rated Capacity | A    | B    | C    | D    | F    | G    | H    | I    | K    | L    |
|----------------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |
| 500 to 1,250   | 1.21 | 3.00 | 1.00 | 0.62 | 0.88 | 0.68 | 0.51 | 5.25 | 1.19 | 2.27 |
| 2,500          | 1.21 | 3.00 | 1.00 | 0.62 | 0.88 | 0.68 | 0.51 | 5.25 | 1.19 | 2.27 |
| 5,000          | 1.44 | 3.00 | 1.00 | 0.62 | 0.88 | 0.90 | 0.51 | 5.38 | 1.44 | 2.28 |
| 10,000         | 1.69 | 3.75 | 1.50 | 0.88 | 1.38 | 1.15 | 0.76 | 6.75 | 1.69 | 2.91 |



Interchangeable Products

METTLER-TOLEDO®  
**TB600529-500 lb**  
METTLER-TOLEDO  
**TB600363-1,250 lb**  
METTLER-TOLEDO  
**TB600342-2,500 lb**  
METTLER-TOLEDO  
**TB600343-5,000 lb**  
METTLER-TOLEDO  
**TB600364-10,000 lb**  
HBK®  
**THC**

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RLTM**..... page 56

Specifications

**Full Scale Output:**  
2.0 mV/V ±0.05% current matched

**Output Resistance:**  
350 (± 3) ohm

**Input Resistance:**  
400 (± 20) ohm

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Hermetically sealed, IP69K

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5 to 10 VDC

**Combined Error:**  
0.017% full scale

**Insulation Resistance:**  
5,000 megohm

**Cable Length:**  
15 ft  
30 ft

**Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal

**Warranty:**  
Two-year limited

**Approvals:**  
cFMus  
NTEP 18-106



Picture is a representation of actual product.

## Approvals

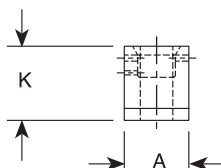
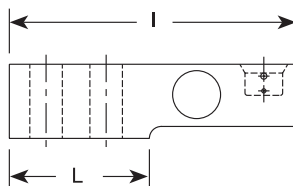
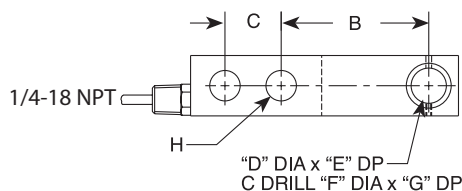


## Order Information

| Load Rating                  | Part #        | Est. Weight | Price    |
|------------------------------|---------------|-------------|----------|
| <b>30 ft Cables</b>          |               |             |          |
| 10,000 lb                    | <b>45466</b>  | 6 lb        | \$790.00 |
| <b>Replacement load pins</b> |               |             |          |
| Rocker pin                   | <b>108612</b> | 1 lb        | \$85.00  |
| Rocker pin                   | <b>130408</b> | 1 lb        | \$90.00  |
| Rocker pin                   | <b>131376</b> | 1 lb        | \$130.00 |
| O-ring (two per pin)         | <b>108202</b> | 1 lb        | \$1.00   |

## Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | I    | K    | L    |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |      |
| 10,000         | 1.68 | 3.75 | 1.50 | 0.88 | 1.06 | 1.38 | 0.44 | 0.75 | 6.87 | 1.68 | 3.03 |



## Interchangeable Products

METTLER-TOLEDO®  
**TB600529-500 lb**  
 METTLER-TOLEDO  
**TB600363-1,250 lb**  
 METTLER-TOLEDO  
**TB600342-2,500 lb**  
 METTLER-TOLEDO  
**TB600343-5,000 lb**  
 METTLER-TOLEDO  
**TB600364-10,000 lb**  
 HBK®  
**THC**

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RLTM**..... page 56

## Specifications

**Full Scale Output:**  
 2.0 mV/V, ±0.002 mV/V

**Bridge Resistance:**  
 350 ohm, nominal

**Material/Finish:**  
 Stainless steel

**Temperature:**  
 Compensated range  
 14 °F to 104 °F (-10 °C to 40 °C)  
 Operating range  
 0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
 Welded-seal, IP67

**Safe Overload:**  
 150% full scale

**Safe Sideload:**  
 100% full scale

**Rated Excitation:**  
 5 to 10 VDC (15 V maximum)

**Combined Error:**  
 0.03%

**Non-repeatability:**  
 0.01% full scale

**Insulation Resistance:**  
 5,000 megohm

**Cable Length:**  
 30 ft

**Cable Diameter:**  
 0.190 in polyurethane jacket

**Deflection at Capacity:**  
 500 to 2,500 lb: 0.010 in  
 5,000 to 10,000 lb: 0.012 in

**Cable Color Code:**  
 Green +Excitation  
 Black -Excitation  
 White +Signal  
 Red -Signal  
 Yellow Shield

**Warranty:**  
 Two-year limited

**Approvals:**  
 FM  
 NTEP 06-023

# RL35023S Painted

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product.

## Approvals



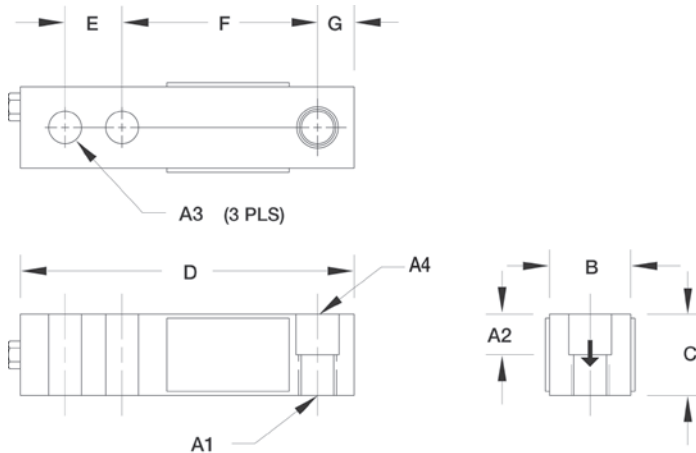
## Order Information

| Load Rating   | Part # | Est. Weight | Price    |
|---|--------|-------------|----------|
| 1,000 lb  | 182754 | 3 lb        | \$371.00 |
| 2,000 lb  | 182755 | 3 lb        | \$371.00 |
| 2,500 lb  | 182756 | 3 lb        | \$371.00 |
| 4,000 lb  | 182757 | 3 lb        | \$371.00 |
| 5,000 lb  | 182758 | 3 lb        | \$466.00 |
| 10,000 lb   | 182759 | 3 lb        | \$466.00 |
| <b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b> |        |             |          |
| 3/8-24 nipple   | 31533* | 1 lb        | \$37.00  |
| 3/8-24 to 1/4-18 NPT  | 31534* | 1 lb        | \$37.00  |

\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

## Dimensions

| Rated Capacity  | A1         | A2   | A3   | A4       | B    | C    | D    | E    | F    | G    |
|-----------------|------------|------|------|----------|------|------|------|------|------|------|
| lb/in           |            |      |      |          |      |      |      |      |      |      |
| 1,000 to 4,000  | 1/2-20 UNF | 0.62 | 0.53 | 0.53 dia | 1.25 | 1.25 | 5.12 | 1.00 | 3.00 | 0.50 |
| 5,000 to 10,000 | 3/4-16 UNF | 0.75 | 0.78 | 0.78 dia | 1.50 | 1.50 | 6.75 | 1.50 | 3.75 | 0.75 |



## Interchangeable Products

|                     |                |
|---------------------|----------------|
| VPG® SENSORTRONICS® |                |
| <b>65023S*</b>      | ..... page 295 |
| VPG® SENSORTRONICS  |                |
| <b>65023SS*</b>     | ..... page 294 |
| VPG® CELTRON        |                |
| <b>SQB-HSS*</b>     | ..... page 204 |

## Weigh Module Available

|                            |               |
|----------------------------|---------------|
| RICE LAKE WEIGHING SYSTEMS |               |
| <b>RL50210TA</b>           | ..... page 41 |
| RICE LAKE WEIGHING SYSTEMS |               |
| <b>RL1800 Series</b>       | ..... page 52 |

\*Cells are unpainted

## Specifications

**Full Scale Output:**  
3.0 mV/V**Output Resistance:**  
349 to 355 ohm**Input Resistance:**  
343 to 357 ohm**Material/Finish:**  
Stainless steel, painted**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)**Seal Type:**  
Environmentally sealed, IP67**Safe Overload:**  
150% full scale**Safe Sideload:**  
100% full scale**Rated Excitation:**  
5 to 10 VDC (15 V maximum)**Combined Error:**  
0.02% full scale**Deflection at Capacity:**  
500 to 4,000 lb: 0.017 to 0.025 in  
5,000 to 10,000 lb: 0.025 to 0.035 in**Cable Length:**  
20 ft**Cable Diameter:**  
0.200 in polyurethane jacket**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal**Insulation Resistance:**  
5,000 megohm**Warranty:**  
Two-year limited**Approvals:**  
cFmus  
NTEP 94-134



Picture is a representation of actual product.

## Approvals

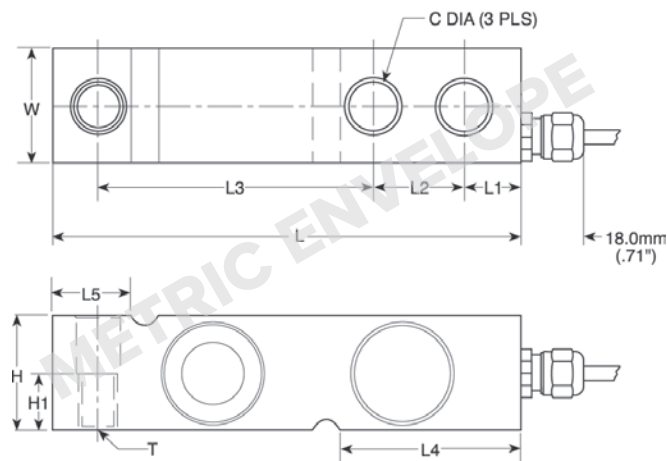


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 500 kg      | 31253  | 3 lb        | \$514.00 |
| 1,000 kg    | 31250  | 3 lb        | \$514.00 |
| 2,000 kg    | 31251  | 3 lb        | \$514.00 |
| 5,000 kg    | 31252  | 5 lb        | \$588.00 |

## Dimensions

| Rated Capacity | C    | H    | H1   | L     | L1   | L2   | L3   | L4   | L5   | T          | W    |
|----------------|------|------|------|-------|------|------|------|------|------|------------|------|
| kg/mm          |      |      |      |       |      |      |      |      |      |            |      |
| 500 to 2,000   | 13.5 | 32.0 | 16.0 | 130.0 | 15.8 | 25.4 | 76.2 | 50.5 | 23.5 | M12 x 1.75 | 32.0 |
| 5,000          | 20.5 | 48.0 | —    | 171.5 | 19.0 | 38.1 | 95.3 | 70.0 | 37.0 | —          | 36.5 |



## Interchangeable Products

VPG® TEDEA-HUNTLEIGH

3510-OIML ..... page 320

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

1700 HE ..... page 33

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3) ohm

### Input Resistance:

380 (± 10) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Hermetically sealed, IP66/68

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.02% applied load

### Insulation Resistance:

2,000 megohm

### Deflection at Capacity:

0.4 mm

### Cable Length:

5 m

### Cable Diameter:

0.220 in polyurethane jacket

### Cable Color Code:

Blue +Excitation  
Black -Excitation  
White +Signal  
Red - Signal  
Green +Sense  
Grey -Sense

### Warranty:

Two-year limited

### Approvals:

cFMus

RLSSB

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product.

Approvals

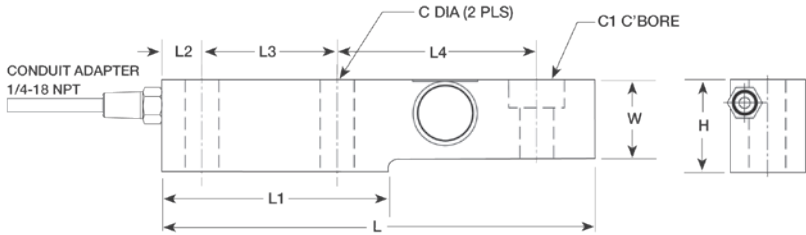


Order Information

| Load Rating                   | Part # | Est. Weight | Price    |
|-------------------------------|--------|-------------|----------|
| 1,000 lb                      | 34310  | 5 lb        | \$636.00 |
| 2,000 lb                      | 34311  | 5 lb        | \$636.00 |
| 5,000 lb                      | 34312  | 6 lb        | \$636.00 |
| 10,000 lb                     | 34313  | 10 lb       | \$758.00 |
| Options                       |        |             |          |
| Load cell button (1 K to 5 K) | 26112  | —           | \$37.00  |

Dimensions

| Rated Capacity | C    | C1                              | H    | L    | L1   | L2   | L3   | L4   | W    |
|----------------|------|---------------------------------|------|------|------|------|------|------|------|
| lb/in          |      |                                 |      |      |      |      |      |      |      |
| 1,000 to 5,000 | 0.53 | 0.68 thru C'Bore 1.19 x 0.47 DP | 1.88 | 8.00 | 4.00 | 0.75 | 2.50 | 3.88 | 1.44 |
| 10,000         | 0.88 | 1.00 thru C'Bore 1.63 x 0.62 DP | 2.75 | 9.25 | 4.62 | 0.81 | 2.63 | 4.88 | 1.88 |



RICE LAKE  
LOAD CELLS

Interchangeable Products

VPG® REVERE  
SSB..... page 266  
HBK®  
SB3  
ARTECH®  
SS30610

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
RL1900 Series ..... page 55

Specifications

**Full Scale Output:**  
2.0 mV/V

**Bridge Resistance:**  
350 ohm, nominal

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Welded-seal, IP67

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5 to 10 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Non-repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohm

**Cable Length:**  
15 ft

**Cable Diameter:**  
0.200 in polyurethane jacket

**Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal

**Warranty:**  
Two-year limited

**Approvals:**  
cFMus  
NTEP 96-053

SINGLE-ENDED BEAM  
**RLSB250/RLSB250T**

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product.

#### Approvals

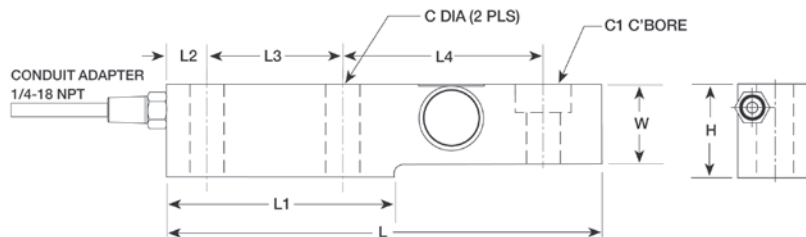


#### Order Information

| Load Rating      | Part #        | Est. Weight | Price    |
|------------------|---------------|-------------|----------|
| <b>Threaded</b>  |               |             |          |
| 2,500 lb         | <b>116053</b> | 6 lb        | \$636.00 |
| 5,000 lb         | <b>116054</b> | 6 lb        | \$742.00 |
| <b>Thru Hole</b> |               |             |          |
| 2,500 lb         | <b>34482</b>  | 6 lb        | \$636.00 |
| 10,000 lb        | <b>116055</b> | 10 lb       | \$742.00 |
| <b>Options</b>   |               |             |          |
| Load cell button | <b>116084</b> | —           | \$11.00  |

#### Dimensions

| Rated Capacity | C    | C1             | H    | L    | L1   | L2   | L3   | L4   | T          | W    |
|----------------|------|----------------|------|------|------|------|------|------|------------|------|
| lb/in          |      |                |      |      |      |      |      |      |            |      |
| 2,500          | 0.53 | 1.20 x 0.75 DP | 1.93 | 8.00 | 4.00 | 0.75 | 2.50 | 3.88 | 3/4-16 UNF | 1.25 |
| 5,000          | 0.53 | 1.20 x 0.75 DP | 1.93 | 8.00 | 4.00 | 0.75 | 2.50 | 3.88 | 3/4-16 UNF | 1.45 |
| 10,000         | —    | 1.20 x 0.75 DP | 2.46 | 9.00 | 4.00 | 0.75 | 2.00 | 5.25 | —          | 1.62 |



#### Interchangeable Products

CARDINAL®  
**SB2500\***  
\*No threads in load hole

#### Specifications

**Full Scale Output:**  
2.0 mV/V

**Bridge Resistance:**  
350 ohm, nominal

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Welded-seal, IP67

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5 to 10 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Non-repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohm

**Cable Length:**  
15 ft - pn 34482  
20 ft

**Cable Diameter:**  
0.200 in polyurethane jacket

**Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal

**Warranty:**  
Two-year limited

**Approvals:**  
cFMus  
NTEP 96-053

RICE LAKE  
LOAD CELLS



SINGLE-ENDED BEAM  
**RL50219SS**

Stainless Steel, Environmentally Sealed, IP67

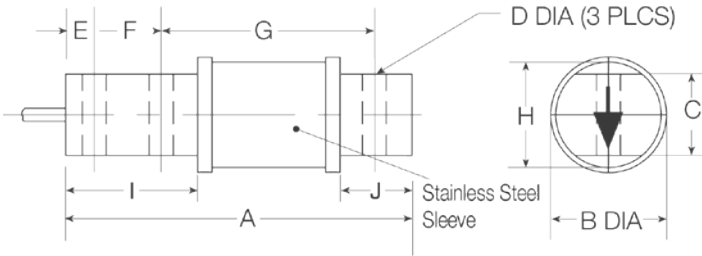


**Dimensions**

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | I    | J    |
|----------------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |
| 25 to 500      | 2.81 | 1.30 | 0.62 | 0.26 | 0.25 | 0.50 | 1.81 | 1.00 | 1.00 | 0.50 |

**Order Information**

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 25 lb       | 194014 | 2 lb        | \$450.00 |
| 50 lb       | 194015 | 2 lb        | \$450.00 |
| 75 lb       | 194016 | 2 lb        | \$450.00 |
| 100 lb      | 194017 | 2 lb        | \$450.00 |
| 150 lb      | 194018 | 2 lb        | \$450.00 |
| 250 lb      | 194019 | 2 lb        | \$450.00 |
| 500 lb      | 194020 | 2 lb        | \$450.00 |



**Interchangeable Products**

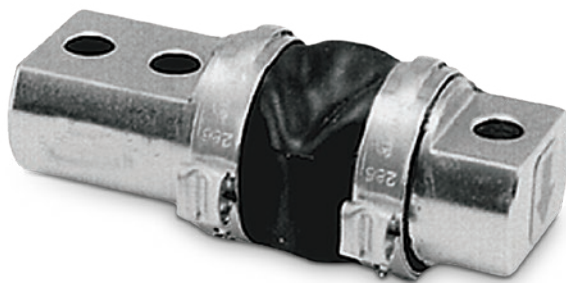
- RICE LAKE WEIGHING SYSTEMS  
**RL60040SST** ..... page 132
- RICE LAKE WEIGHING SYSTEMS  
**RL50210** (alloy) ..... page 131

**Weigh Module Available**

- RICE LAKE WEIGHING SYSTEMS  
**RL50219SS-TA** ..... page 45

**Specifications**

- Full Scale Output:**  
3.0 mV/V
- Output Resistance:**  
350 ( $\pm 3$ ) ohm
- Input Resistance:**  
380 to 450 ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC
- Nonlinearity:**  
0.03% full scale
- Hysteresis:**  
0.02% full scale
- Combined Error:**  
0.017% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
20 ft
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
Two-year limited



Picture is a representation of actual product.

## Approvals

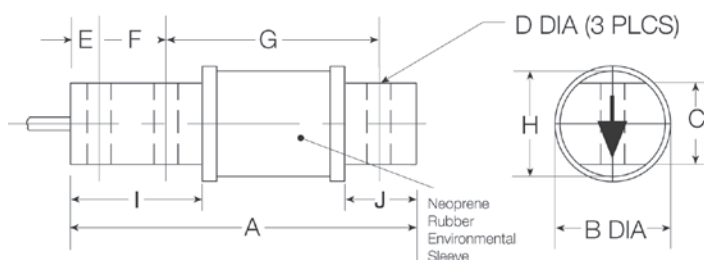


## Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 25 lb       | <b>17385</b> | 2 lb        | \$260.00 |
| 50 lb       | <b>17380</b> | 2 lb        | \$260.00 |
| 100 lb      | <b>17381</b> | 2 lb        | \$260.00 |
| 150 lb      | <b>17382</b> | 2 lb        | \$260.00 |
| 250 lb      | <b>17383</b> | 2 lb        | \$260.00 |
| 500 lb      | <b>17384</b> | 2 lb        | \$260.00 |

## Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | I    | J    |
|----------------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |
| 25 to 500      | 2.81 | 1.30 | 0.62 | 0.26 | 0.25 | 0.50 | 1.81 | 1.00 | 1.00 | 0.50 |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL50219SS**.....page 130

VP® SENSORTRONICS®

**60040** .....page 298

ARTECH®

**50210**

VP® REVERE

**5503**

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**.....page 41

## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

349 to 355 ohm

### Input Resistance:

360 to 450 ohm

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed with neoprene sleeve, IP65

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Deflection at Capacity:

25 to 50 lb: 0.008 in

100 lb: 0.010 in

150 lb: 0.012 in

250 lb: 0.016 in

500 lb: 0.025 in

### Cable Length:

20 ft

### Cable Diameter:

0.200 in polyurethane jacket

### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

### Warranty:

Two-year limited

### Approvals:

cFMus

SINGLE-ENDED BEAM  
**RL60040SST**

Stainless Steel, Environmentally Sealed, IP65



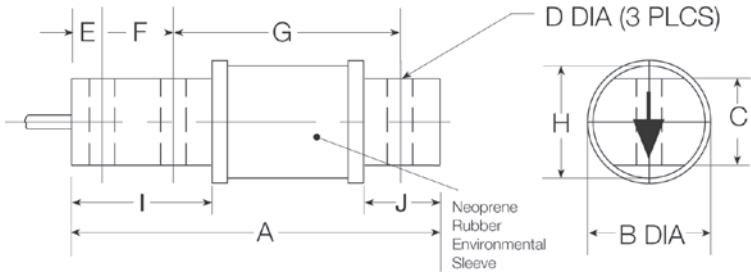
Picture is a representation of actual product.

Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 lb       | 101973 | 3 lb        | \$450.00 |
| 250 lb      | 101977 | 3 lb        | \$450.00 |

Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | I    | J    |
|----------------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |
| 25 to 250      | 2.81 | 1.30 | 0.62 | 0.26 | 0.25 | 0.50 | 1.81 | 1.00 | 1.00 | 0.50 |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
**RL50219SS**.....page 130  
VPG® SENSORTRONICS\*  
**60040** .....page 298  
ARTECH\*\*  
**50210**  
VPG® REVERE\*  
**5503**

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL50210TA**.....page 41  
\*Alloy steel

Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
349 to 355 ohm

**Input Resistance:**  
380 to 450 ohm

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Environmentally sealed with neoprene sleeve, IP65

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5 to 10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohm

**Deflection at Capacity:**  
25 to 50 lb: 0.008 in  
100 lb: 0.010 in  
150 lb: 0.012 in  
250 lb: 0.016 in  
500 lb: 0.025 in

**Cable Length:**  
20 ft

**Cable Diameter:**  
0.200 in polyurethane jacket

**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

**Warranty:**  
Two-year limited

RICE LAKE  
LOAD CELLS



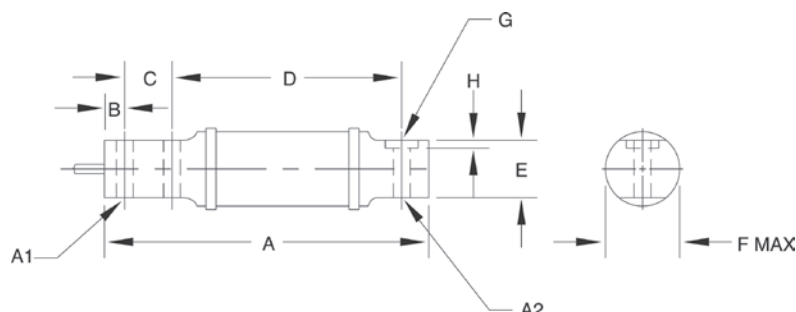
Picture is a representation of actual product.

## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 lb       | 17395  | 3 lb        | \$418.00 |
| 100 lb      | 17343  | 3 lb        | \$418.00 |
| 200 lb      | 17396  | 3 lb        | \$418.00 |
| 250 lb      | 17397  | 3 lb        | \$418.00 |
| 500 lb      | 17398  | 3 lb        | \$418.00 |
| 1,000 lb    | 17344  | 3 lb        | \$418.00 |
| 2,500 lb    | 17345  | 9 lb        | \$662.00 |

## Dimensions

| Rated Capacity | A     | A1   | A2   | B    | C    | D    | E    | F    | G    | H    |
|----------------|-------|------|------|------|------|------|------|------|------|------|
| lb/in          |       |      |      |      |      |      |      |      |      |      |
| 50 to 100      | 6.00  | 0.31 | 0.31 | 0.38 | 0.88 | 4.25 | 1.06 | 1.41 | —    | —    |
| 200 to 1,000   | 6.62  | 0.52 | 0.52 | 0.50 | 1.12 | 4.25 | 1.06 | 1.41 | —    | —    |
| 2,500          | 11.38 | 0.53 | 0.62 | 0.50 | 1.75 | 8.25 | 1.25 | 2.19 | 1.19 | 0.12 |



## Interchangeable Products

HBK®  
**BBS** .....page 237  
 VPG® SENSORTRONICS®  
**65087**  
 FAIRBANKS®  
**3-481XX-1**  
 FAIRBANKS  
**3-48660-1**  
 ARTECH®  
**40310**

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

831 (± 50) ohm

### Input Resistance:

750 (±) ohm

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
 0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed with neoprene sleeve, IP65

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Deflection at Capacity:

50 lb: 0.015 in  
 100 lb: 0.005 in  
 200 to 250 lb: 0.030 in  
 500 lb: 0.025 in  
 1,000 lb: 0.040 in  
 2,500 lb: 0.120 in

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

10 ft

### Cable Diameter:

0.200 in polyurethane jacket

### Cable Color Code:

Green +Excitation  
 Black -Excitation  
 White +Signal  
 Red -Signal

### Warranty:

Two-year limited

SINGLE-ENDED BEAM  
**RL32011WB-L**

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, Potted, IP67



Picture is a representation of actual product.

Approvals

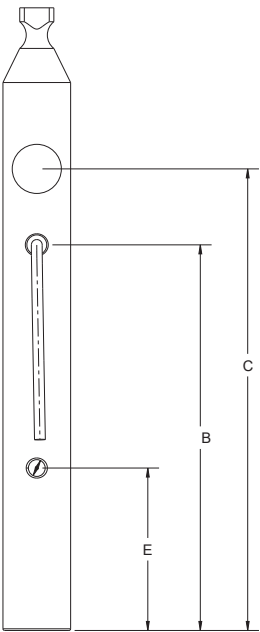
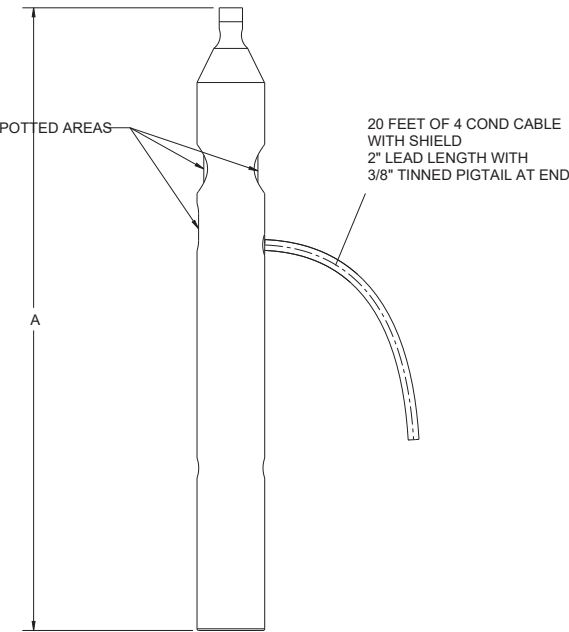
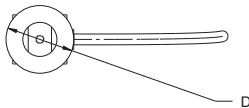


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,250 lb    | 119788 | 5 lb        | \$730.00 |
| 5,000 lb    | 119790 | 9 lb        | \$850.00 |
| 10,000 lb   | 119791 | 17 lb       | \$950.00 |

Dimensions

| Rated Capacity<br>lb/in | A     | B    | C    | D    | E   |
|-------------------------|-------|------|------|------|-----|
| 1,250                   | 11.50 | 7.12 | 8.52 | 1.25 | 3.0 |
| 5,000                   | 10.9  | 5.5  | 7.4  | 2.0  | 3.0 |
| 10,000                  | 12.6  | 5.9  | 8.0  | 2.5  | 3.0 |



Interchangeable Products

AVERY WEIGH TRONIX®  
Weigh Bar

Specifications

- Full Scale Output:**  
2.0 ± 0.1% mV/V
- Output Resistance:**  
350 (± 3) ohm
- Input Resistance:**  
385 (± 10) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC
- Combined Error:**  
0.02% full scale
- Non-Repeatability:**  
± 0.01% full scale
- Insulation Resistance:**  
5,000 megaohm
- Cable Length:**  
20 ft
- Cable Diameter:**  
0.190 in polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal
- Warranty:**  
Two-year limited
- Approvals:**  
NTEP 11-024



Picture is a representation of actual product.

## Approvals

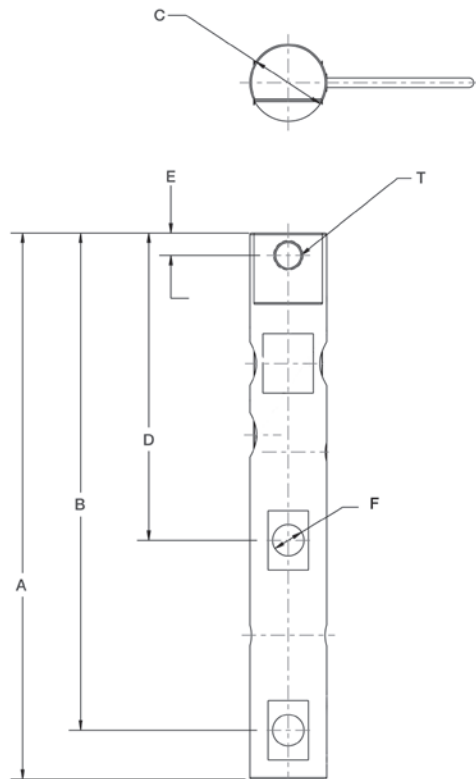


## Order Information

| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 1,250 lb    | <b>119796</b> | 3 lb        | \$525.00 |
| 2,500 lb    | <b>119797</b> | 3 lb        | \$525.00 |

## Dimensions

| Rated Capacity<br>lb/in | A     | B     | C    | D    | E    | F    | T          |
|-------------------------|-------|-------|------|------|------|------|------------|
| 1,250                   | 11.50 | 10.47 | 1.25 | 6.47 | 0.47 | 0.53 | 1/2-13 UNC |
| 2,500                   | 11.50 | 10.47 | 1.62 | 6.47 | 0.47 | 0.66 | 5/8-11 UNC |



## Interchangeable Products

AVERY WEIGH TRONIX®  
**Weigh Bar**

## Specifications

### Full Scale Output:

2.0 (± 0.1%) mV/V

### Output Resistance:

350 (± 3) ohm

### Input Resistance:

385 (± 10) ohm

### Material/Finish:

Stainless steel

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5 to 10 VDC

### Combined Error:

0.02% full scale

### Non-Repeatability:

± 0.01% full scale

### Insulation Resistance:

5,000 megaohm

### Cable Length:

20 ft

### Cable Diameter:

0.190 in polyurethane jacket

### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

### Warranty:

Two-year limited

### Approvals:

NTEP 11-024





Picture is a representation of actual product.

#### Approvals

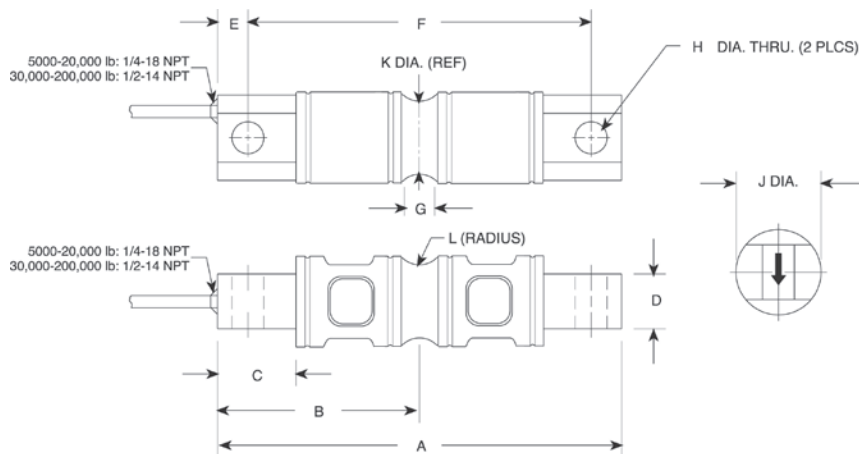


#### Order Information

| Load Rating | Part #        | Est. Weight | Price      |
|-------------|---------------|-------------|------------|
| 5,000 lb    | <b>201758</b> | 5 lb        | \$695.00   |
| 10,000 lb   | <b>201759</b> | 6 lb        | \$695.00   |
| 20,000 lb   | <b>201760</b> | 7 lb        | \$695.00   |
| 30,000 lb   | <b>201761</b> | 18 lb       | \$800.00   |
| 40,000 lb   | <b>201762</b> | 18 lb       | \$800.00   |
| 50,000 lb   | <b>201763</b> | 18 lb       | \$800.00   |
| 60,000 lb   | <b>201764</b> | 18 lb       | \$800.00   |
| 100,000 lb  | <b>201765</b> | 28 lb       | \$1,563.00 |
| 150,000 lb  | <b>201766</b> | 34 lb       | \$1,563.00 |
| 200,000 lb  | <b>201767</b> | 90 lb       | \$2,940.00 |
| 250,000 lb  | <b>201768</b> | 93 lb       | \$2,940.00 |

#### Dimensions

| Rated Capacity     | A     | B    | C    | D    | E    | F     | G    | H    | J    | K    | L    |
|--------------------|-------|------|------|------|------|-------|------|------|------|------|------|
| lb/in              |       |      |      |      |      |       |      |      |      |      |      |
| 5,000 to 10,000    | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88  | 0.62 | 0.66 | 1.70 | 1.48 | 0.50 |
| 20,000             | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88  | 0.84 | 0.66 | 1.95 | 1.48 | 0.50 |
| 30,000 to 60,000   | 10.25 | 5.12 | 1.88 | 2.37 | 0.88 | 8.50  | 1.00 | 1.06 | 3.20 | 2.73 | 1.00 |
| 100,000            | 11.25 | 5.62 | 1.88 | 2.50 | 0.88 | 9.50  | 1.00 | 1.06 | 3.50 | 3.24 | 1.50 |
| 150,000            | 11.25 | 5.62 | 1.88 | 2.80 | 0.88 | 9.50  | 1.25 | 1.06 | 3.90 | 3.64 | 1.50 |
| 200,000 to 250,000 | 16.10 | 8.05 | 3.05 | 4.60 | 1.55 | 13.00 | 1.30 | 1.56 | 5.38 | 5.17 | 2.00 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL70000\***.....page 140

VP® REVERE

**5103\***.....page 267

ARTECH®

**70210**

METTLER-TOLEDO®

**SLD 430**

\*Conduit adapter optional

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1**.....page 72

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

700 (± 5) ohm

##### Input Resistance:

5 to 10 k: 700 (± 14) ohm

20 to 150 k: 770 (± 10) ohm

200 to 250 k: 700 (± 14) ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

5,000 lb: 0.02 in

10,000 lb: 0.025 in

20,000 lb: 0.042 in

30,000 to 50,000 lb: 0.02 in

60,000 lb: 0.025 in

100,000 lb: 0.02 in

##### Cable Length:

30 ft

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

Two-year limited

##### Approvals:

cFMus

NTEP 21-064

### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL70000SS** ..... page 142

VPG® REVERE

**9103** ..... page 268

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1 SS** ..... page 74

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

700 (± 5) ohm

#### Input Resistance:

700 (± 10) ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Operating range  
14 °F to 104 °F (-10 °C to 40 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VDC

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Cable Length:

30 ft polyurethane jacket

#### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

#### Warranty:

Two-year limited

#### Approvals:

NTEP 21-064  
cFMus



Picture is a representation of actual product.

### Approvals

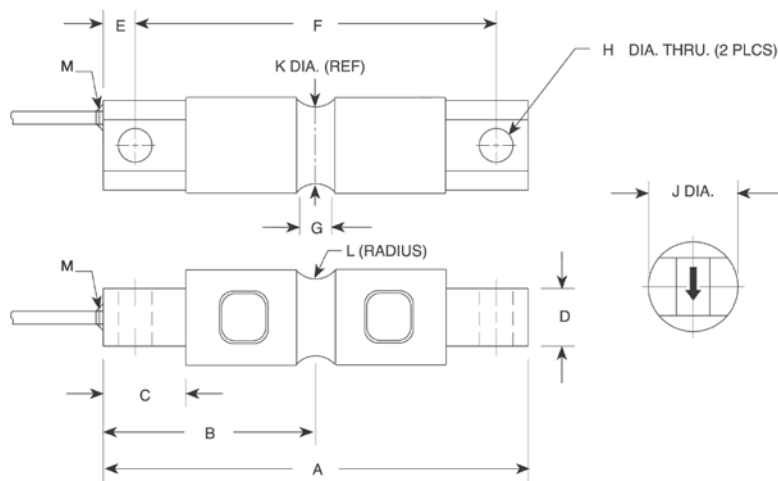


### Order Information

| Load Rating               | Part #        | Est. Weight | Price      |
|---------------------------|---------------|-------------|------------|
| <b>NTEP Certified</b>     |               |             |            |
| 10,000 lb                 | <b>201781</b> | 5 lb        | \$820.00   |
| 20,000 lb                 | <b>201782</b> | 5 lb        | \$900.00   |
| 30,000 lb                 | <b>201783</b> | 20 lb       | \$1,033.00 |
| 40,000 lb                 | <b>201784</b> | 20 lb       | \$1,033.00 |
| 50,000 lb                 | <b>201785</b> | 20 lb       | \$1,033.00 |
| 60,000 lb                 | <b>201786</b> | 20 lb       | \$1,033.00 |
| 100,000 lb                | <b>201787</b> | 30 lb       | \$1,960.00 |
| <b>Non-NTEP Certified</b> |               |             |            |
| 5,000 lb                  | <b>201780</b> | 5 lb        | \$820.00   |
| 150,000 lb                | <b>201788</b> | 30 lb       | \$2,173.00 |

### Dimensions

| Rated Capacity   | A     | B    | C    | D    | E    | F    | G    | H    | J    | K    | L    | M          |
|------------------|-------|------|------|------|------|------|------|------|------|------|------|------------|
| lb/in            |       |      |      |      |      |      |      |      |      |      |      |            |
| 5,000 to 10,000  | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88 | 0.62 | 0.66 | 1.70 | 1.48 | 0.50 | 1/4-18 NPT |
| 20,000           | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88 | 0.84 | 0.66 | 1.95 | 1.48 | 0.50 | 1/4-18 NPT |
| 30,000 to 60,000 | 10.25 | 5.12 | 1.88 | 2.37 | 0.88 | 8.50 | 1.00 | 1.06 | 3.20 | 2.73 | 1.00 | 1/2-14 NPT |
| 100,000          | 11.25 | 5.62 | 1.88 | 2.50 | 0.88 | 9.50 | 1.00 | 1.06 | 3.50 | 3.24 | 1.50 | 1/2-14 NPT |
| 150,000          | 11.25 | 5.62 | 1.88 | 2.80 | 0.88 | 9.50 | 1.25 | 1.06 | 3.90 | 3.64 | 1.50 | 1/2-14 NPT |





Picture is a representation of actual product.

### Approvals

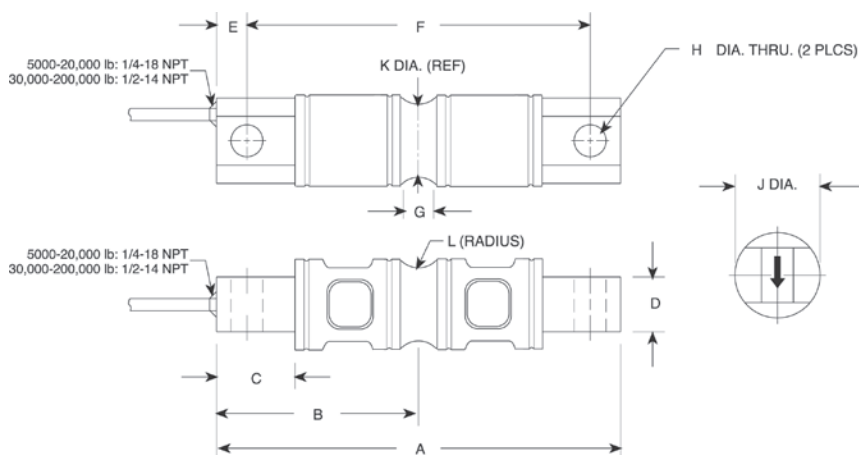


### Order Information

| Load Rating | Part #        | Est. Weight | Price      |
|-------------|---------------|-------------|------------|
| 5,000 lb    | <b>201769</b> | 5 lb        | \$720.00   |
| 10,000 lb   | <b>201770</b> | 6 lb        | \$720.00   |
| 20,000 lb   | <b>201771</b> | 7 lb        | \$720.00   |
| 30,000 lb   | <b>201772</b> | 18 lb       | \$826.00   |
| 40,000 lb   | <b>201773</b> | 18 lb       | \$826.00   |
| 50,000 lb   | <b>201774</b> | 18 lb       | \$826.00   |
| 60,000 lb   | <b>201775</b> | 18 lb       | \$826.00   |
| 100,000 lb  | <b>201776</b> | 28 lb       | \$1,615.00 |
| 150,000 lb  | <b>201777</b> | 34 lb       | \$1,615.00 |
| 200,000 lb  | <b>201778</b> | 90 lb       | \$2,990.00 |
| 250,000 lb  | <b>201779</b> | 93 lb       | \$2,990.00 |

### Dimensions

| Rated Capacity     | A     | B    | C    | D    | E    | F     | G    | H    | J    | K    | L    |
|--------------------|-------|------|------|------|------|-------|------|------|------|------|------|
| lb/in              |       |      |      |      |      |       |      |      |      |      |      |
| 5,000 to 10,000    | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88  | 0.62 | 0.66 | 1.70 | 1.48 | 0.50 |
| 20,000             | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88  | 0.84 | 0.66 | 1.95 | 1.48 | 0.50 |
| 30,000 to 60,000   | 10.25 | 5.12 | 1.88 | 2.37 | 0.88 | 8.50  | 1.00 | 1.06 | 3.20 | 2.73 | 1.00 |
| 100,000            | 11.25 | 5.62 | 1.88 | 2.50 | 0.88 | 9.50  | 1.00 | 1.06 | 3.50 | 3.24 | 1.50 |
| 150,000            | 11.25 | 5.62 | 1.88 | 2.80 | 0.88 | 9.50  | 1.25 | 1.06 | 3.90 | 3.64 | 1.50 |
| 200,000 to 250,000 | 16.10 | 8.05 | 3.05 | 4.60 | 1.55 | 13.00 | 1.30 | 1.56 | 5.38 | 5.17 | 2.00 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL70000\*** .....page 140

RICE LAKE WEIGHING SYSTEMS

**RL70000 Painted** .....page 141

VPG® REVERE

**5103\*** .....page 267

ARTECH®

**70210**

METTLER-TOLEDO®

**SLD 430**

\*Cells are unpainted

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1**.....page 72

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

5 to 10 k: 703 (± 4) ohm

20 to 150 k: 700 (± 5) ohm

200 to 250 k: 700 (± 5) ohm

#### Input Resistance:

5 to 10 k: 700 (± 14) ohm

20 to 150 k: 770 (± 10) ohm

200 to 250 k: 700 (± 14) ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

5,000 lb: 0.02 in

10,000 lb: 0.025 in

20,000 lb: 0.042 in

30,000 to 50,000 lb: 0.02 in

60,000 lb: 0.025 in

100,000 lb: 0.02 in

#### Cable Length:

30 ft

#### Cable Diameter:

5,000 to 20,000 lb: 0.200 in

30,000 to 250,000 lb: 0.305 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Warranty:

Two-year limited

#### Approvals:

cFMus

NTEP 21-064



Picture is a representation of actual product.

## Approvals

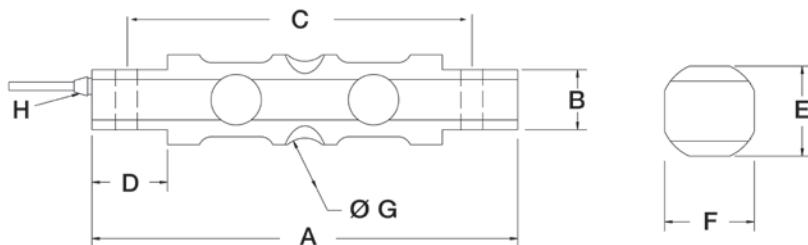


## Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 5,000 lb    | 194021 | 5 lb        | \$1,160.00 |
| 10,000 lb   | 194022 | 5 lb        | \$1,160.00 |
| 20,000 lb   | 194023 | 5 lb        | \$1,160.00 |
| 30,000 lb   | 194024 | 20 lb       | \$1,585.00 |
| 40,000 lb   | 194025 | 20 lb       | \$1,585.00 |
| 50,000 lb   | 194026 | 20 lb       | \$1,585.00 |
| 60,000 lb   | 194027 | 20 lb       | \$1,585.00 |

## Dimensions

| Rated Capacity   | A     | B    | C    | D    | E    | F    | ØG   | H          |
|------------------|-------|------|------|------|------|------|------|------------|
| lb/in            |       |      |      |      |      |      |      |            |
| 5,000 to 20,000  | 8.12  | 1.14 | 6.88 | 1.44 | 1.71 | 1.71 | 1.00 | 1/4-18 NPT |
| 30,000 to 60,000 | 10.25 | 2.38 | 8.50 | 1.88 | 3.03 | 3.03 | 2.00 | 1/2-14 NPT |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL70000SS** ..... page 142

VPG® REVERE

**9103** ..... page 268

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1 SS** ..... page 74

## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

700 (± 5) ohm

### Input Resistance:

780 (± 10) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Welded-seal, IP68

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.5% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

25 ft

### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

Two-year limited

### Approvals:

cFMus  
NTEP 21-064



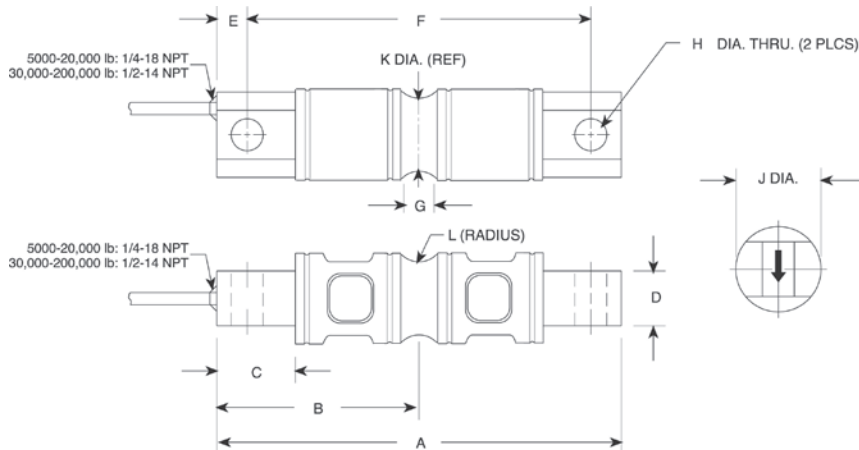
Picture is a representation of actual product.

**Approvals****Order Information**

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 5,000 lb    | <b>36263</b> | 5 lb        | \$695.00   |
| 10,000 lb   | <b>36264</b> | 6 lb        | \$695.00   |
| 20,000 lb   | <b>36265</b> | 7 lb        | \$695.00   |
| 30,000 lb   | <b>36266</b> | 18 lb       | \$800.00   |
| 40,000 lb   | <b>36267</b> | 18 lb       | \$800.00   |
| 50,000 lb   | <b>36268</b> | 18 lb       | \$800.00   |
| 60,000 lb   | <b>36269</b> | 18 lb       | \$800.00   |
| 100,000 lb  | <b>36270</b> | 28 lb       | \$1,563.00 |
| 150,000 lb  | <b>36976</b> | 34 lb       | \$1,563.00 |
| 200,000 lb  | <b>36977</b> | 90 lb       | \$2,940.00 |
| 250,000 lb  | <b>36978</b> | 93 lb       | \$2,940.00 |

**Dimensions**

| Rated Capacity     | A     | B    | C    | D    | E    | F     | G    | H    | J    | K    | L    |
|--------------------|-------|------|------|------|------|-------|------|------|------|------|------|
| lb/in              |       |      |      |      |      |       |      |      |      |      |      |
| 5,000 to 10,000    | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88  | 0.62 | 0.66 | 1.70 | 1.48 | 0.50 |
| 20,000             | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88  | 0.84 | 0.66 | 1.95 | 1.48 | 0.50 |
| 30,000 to 60,000   | 10.25 | 5.12 | 1.88 | 2.37 | 0.88 | 8.50  | 1.00 | 1.06 | 3.20 | 2.73 | 1.00 |
| 100,000            | 11.25 | 5.62 | 1.88 | 2.50 | 0.88 | 9.50  | 1.00 | 1.06 | 3.50 | 3.24 | 1.50 |
| 150,000            | 11.25 | 5.62 | 1.88 | 2.80 | 0.88 | 9.50  | 1.25 | 1.06 | 3.90 | 3.64 | 1.50 |
| 200,000 to 250,000 | 16.10 | 8.05 | 3.05 | 4.60 | 1.55 | 13.00 | 1.30 | 1.56 | 5.38 | 5.17 | 2.00 |

**Interchangeable Products**

RICE LAKE WEIGHING SYSTEMS

**RL72020**.....page 136

VPG® REVERE\*

**5103\***.....page 267

ARTECH®

**70210**

METTLER-TOLEDO®

**SLD 430**

\*Conduit adapter optional

**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1**.....page 72**Specifications****Full Scale Output:**

3.0 mV/V

**Output Resistance:**

5 to 10 k: 703 (± 4) ohm

20 to 150 k: 700 (± 5) ohm

200 to 250 k: 700 (± 5) ohm

**Input Resistance:**

5 to 10 k: 700 (± 14) ohm

20 to 150 k: 770 (± 10) ohm

200 to 250 k: 700 (± 14) ohm

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5 to 10 VDC (15 V maximum)

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

5,000 megohm

**Deflection at Capacity:**

5,000 lb: 0.02 in

10,000 lb: 0.025 in

20,000 lb: 0.042 in

30,000 to 50,000 lb: 0.02 in

60,000 lb: 0.025 in

100,000 lb: 0.02 in

**Cable Length:**

30 ft

**Cable Diameter:**

5,000 to 20,000 lb: 0.200 in

30,000 to 250,000 lb: 0.305 in

Polyurethane jacket

**Cable Color Code:**

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

**Warranty:**

Two-year limited

**Approvals:**

cFMus

NTEP 97-125

DOUBLE-ENDED BEAM  
**RL70000 Painted**  
 Alloy Steel, Environmentally Sealed, IP67



Picture is a representation of actual product.

#### Approvals

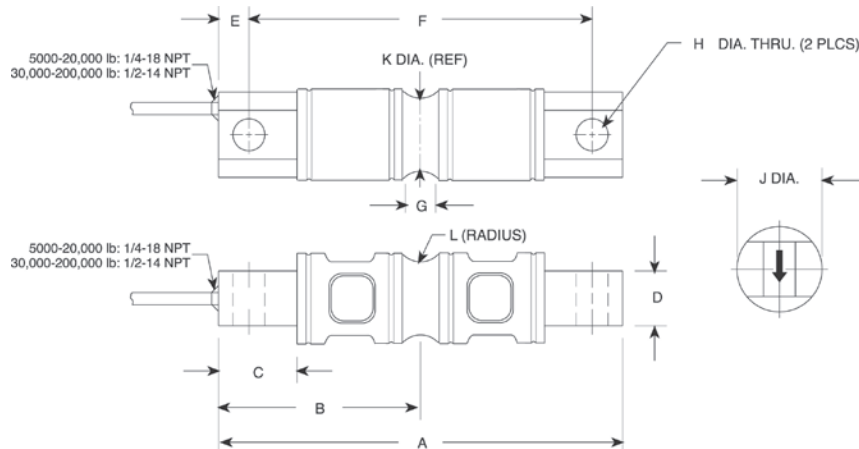


#### Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 5,000 lb    | 198196 | 5 lb        | \$720.00   |
| 10,000 lb   | 198197 | 6 lb        | \$720.00   |
| 20,000 lb   | 198198 | 7 lb        | \$720.00   |
| 30,000 lb   | 198199 | 18 lb       | \$826.00   |
| 40,000 lb   | 198200 | 18 lb       | \$826.00   |
| 50,000 lb   | 198201 | 18 lb       | \$826.00   |
| 60,000 lb   | 198202 | 18 lb       | \$826.00   |
| 100,000 lb  | 198203 | 28 lb       | \$1,615.00 |
| 150,000 lb  | 198204 | 34 lb       | \$1,615.00 |
| 200,000 lb  | 198205 | 90 lb       | \$2,990.00 |
| 250,000 lb  | 198206 | 93 lb       | \$2,990.00 |

#### Dimensions

| Rated Capacity     | A     | B    | C    | D    | E    | F     | G    | H    | J    | K    | L    |
|--------------------|-------|------|------|------|------|-------|------|------|------|------|------|
| lb/in              |       |      |      |      |      |       |      |      |      |      |      |
| 5,000 to 10,000    | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88  | 0.62 | 0.66 | 1.70 | 1.48 | 0.50 |
| 20,000             | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88  | 0.84 | 0.66 | 1.95 | 1.48 | 0.50 |
| 30,000 to 60,000   | 10.25 | 5.12 | 1.88 | 2.37 | 0.88 | 8.50  | 1.00 | 1.06 | 3.20 | 2.73 | 1.00 |
| 100,000            | 11.25 | 5.62 | 1.88 | 2.50 | 0.88 | 9.50  | 1.00 | 1.06 | 3.50 | 3.24 | 1.50 |
| 150,000            | 11.25 | 5.62 | 1.88 | 2.80 | 0.88 | 9.50  | 1.25 | 1.06 | 3.90 | 3.64 | 1.50 |
| 200,000 to 250,000 | 16.10 | 8.05 | 3.05 | 4.60 | 1.55 | 13.00 | 1.30 | 1.56 | 5.38 | 5.17 | 2.00 |



#### Interchangeable Products

|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| <b>RL70000*</b> .....      | page 140 |
| RICE LAKE WEIGHING SYSTEMS |          |
| <b>RL72020*</b> .....      | page 136 |
| RICE LAKE WEIGHING SYSTEMS |          |
| <b>RL72020P</b> .....      | page 138 |

#### Weigh Module Available

|                            |         |
|----------------------------|---------|
| RICE LAKE WEIGHING SYSTEMS |         |
| <b>EZ Mount 1</b> .....    | page 72 |

\*Cells are unpainted

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

5 to 10 k: 703 (± 4) ohm  
 20 to 150 k: 700 (± 5) ohm  
 200 to 250 k: 700 (± 5) ohm

##### Input Resistance:

5 to 10 k: 700 (± 14) ohm  
 20 to 150 k: 770 (± 10) ohm  
 200 to 250 k: 700 (± 14) ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range  
 14 °F to 104 °F (-10 °C to 40 °C)  
 Operating range  
 0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

5,000 lb: 0.02 in  
 10,000 lb: 0.025 in  
 20,000 lb: 0.042 in  
 30,000 to 50,000 lb: 0.02 in  
 60,000 lb: 0.025 in  
 100,000 lb: 0.02 in

##### Cable Length:

30 ft

##### Cable Diameter:

5,000 to 20,000 lb: 0.200 in  
 30,000 to 250,000 lb: 0.305 in  
 Polyurethane jacket

##### Cable Color Code:

Red +Excitation  
 Black -Excitation  
 Green +Signal  
 White -Signal

##### Warranty:

Two-year limited

##### Approvals:

cFMus  
 NTEP 97-125

RICE LAKE  
LOAD CELLS



# DOUBLE-ENDED BEAM RL70000SS

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III/1:10,000 IIIL Multiple Cell, IP67

**Discontinued**  
Limited Stock Available



Picture is a representation of actual product.

## Approvals

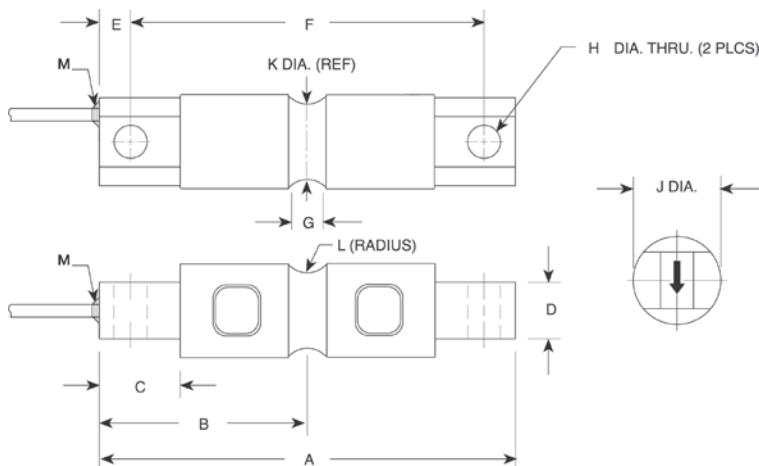


## Order Information

| Load Rating               | Part # | Est. Weight | Price      |
|---------------------------|--------|-------------|------------|
| <b>NTEP Certified</b>     |        |             |            |
| 10,000 lb                 | 30432  | 5 lb        | \$820.00   |
| 20,000 lb                 | 30433  | 6 lb        | \$820.00   |
| 30,000 lb                 | 30434  | 22 lb       | \$900.00   |
| 40,000 lb                 | 30435  | 22 lb       | \$900.00   |
| 50,000 lb                 | 30436  | 22 lb       | \$1,007.00 |
| 60,000 lb                 | 30437  | 22 lb       | \$1,007.00 |
| 100,000 lb                | 30444  | 30 lb       | \$1,960.00 |
| <b>Non-NTEP Certified</b> |        |             |            |
| 5,000 lb                  | 30431  | 5 lb        | \$768.00   |
| 150,000 lb                | 30445  | 30 lb       | \$1,960.00 |

## Dimensions

| Rated Capacity   | A     | B    | C    | D    | E    | F    | G    | H    | J    | K    | L    | M          |
|------------------|-------|------|------|------|------|------|------|------|------|------|------|------------|
| lb/in            |       |      |      |      |      |      |      |      |      |      |      |            |
| 5,000 to 10,000  | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88 | 0.62 | 0.66 | 1.70 | 1.48 | 0.50 | 1/4-18 NPT |
| 20,000           | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88 | 0.84 | 0.66 | 1.95 | 1.48 | 0.50 | 1/4-18 NPT |
| 30,000 to 60,000 | 10.25 | 5.12 | 1.88 | 2.37 | 0.88 | 8.50 | 1.00 | 1.06 | 3.20 | 2.73 | 1.00 | 1/2-14 NPT |
| 100,000          | 11.25 | 5.62 | 1.88 | 2.50 | 0.88 | 9.50 | 1.00 | 1.06 | 3.50 | 3.24 | 1.50 | 1/2-14 NPT |
| 150,000          | 11.25 | 5.62 | 1.88 | 2.80 | 0.88 | 9.50 | 1.25 | 1.06 | 3.90 | 3.64 | 1.50 | 1/2-14 NPT |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
**RL72019SS**.....page 139  
 RICE LAKE WEIGHING SYSTEMS  
**RL72020SS**.....page 137  
 VPG® REVERE  
**9103**.....page 268  
 METTLER TOLEDO®  
**SLD-530**

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**EZ Mount 1**.....page 72

## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
700 (± 7) ohm

**Input Resistance:**  
700 (± 7) ohm

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
0 °F to 150 °F (-18 °C to 65 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Environmentally sealed, IP67

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5 to 10 V AC/DC (15 V max)

**Non-repeatability:**  
0.02% full scale

**Combined Error:**  
0.3% full scale

**Insulation Resistance:**  
5,000 megohm

**Deflection at Capacity:**  
5,000 lb: 0.02 in  
10,000 lb: 0.025 in  
20,000 lb: 0.042 in  
30,000 to 50,000 lb: 0.02 in  
60,000 lb: 0.025 in  
100,000 to 150,000 lb: 0.02 in

**Cable Length:**  
30 ft

**Cable Diameter:**  
0.295 in  
Polyurethane jacket

**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

**Warranty:**  
Two-year limited

**Approvals:**  
cFMus  
NTEP 12-050

RICE LAKE  
LOAD CELLS



Picture is a representation of actual product.

## Approvals



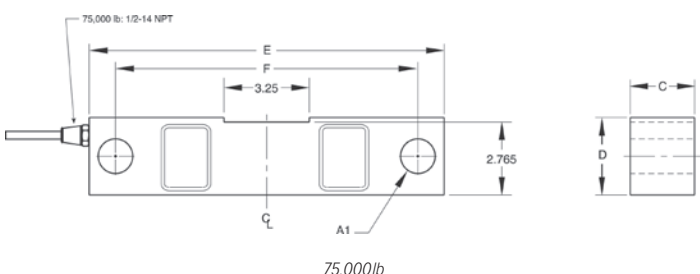
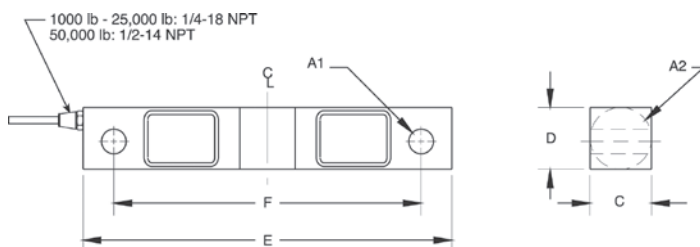
## Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 1,000 lb    | <b>17300</b> | 4 lb        | \$556.00 |
| 1,500 lb    | <b>17302</b> | 4 lb        | \$556.00 |
| 2,000 lb    | <b>17304</b> | 4 lb        | \$556.00 |
| 2,500 lb    | <b>17306</b> | 4 lb        | \$556.00 |
| 3,000 lb    | <b>17308</b> | 4 lb        | \$556.00 |
| 5,000 lb    | <b>17309</b> | 4 lb        | \$556.00 |
| 10,000 lb   | <b>17311</b> | 7 lb        | \$636.00 |
| 15,000 lb   | <b>17313</b> | 7 lb        | \$636.00 |
| 20,000 lb   | <b>17315</b> | 7 lb        | \$636.00 |
| 25,000 lb   | <b>17317</b> | 7 lb        | \$636.00 |
| 50,000 lb   | <b>17319</b> | 25 lb       | \$980.00 |
| 75,000 lb*  | <b>25357</b> | 25 lb       | \$980.00 |

\*75,000lb capacity has a square center

## Dimensions

| Rated Capacity   | A1   | A2   | C    | D    | E     | F     |
|------------------|------|------|------|------|-------|-------|
| lb/in            |      |      |      |      |       |       |
| 1,000 to 5,000   | 0.50 | 1.25 | 1.25 | 1.25 | 7.50  | 6.25  |
| 10,000 to 25,000 | 0.81 | 1.99 | 1.44 | 1.94 | 8.75  | 7.50  |
| 50,000           | 1.31 | 3.00 | 2.44 | 2.94 | 13.50 | 11.50 |
| 75,000           | 1.31 | —    | 2.44 | 2.94 | 13.50 | 11.50 |



## Interchangeable Products

VPG® CELTRON

**DSR**..... page 207

VPG® SENSORTRONICS®

**65016**..... page 302

VPG® REVERE

**5203**

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1600 Series** page 77 and page 79

## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

700 (± 5) ohm

### Input Resistance:

770 (± 10) ohm

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Deflection at Capacity:

1,000 to 3,000 lb: 0.01 in  
5,000 lb: 0.015 in  
10,000 to 20,000 lb: 0.022 in  
25,000 lb: 0.036 in  
50,000 lb: 0.052 in  
75,000 lb: 0.07 in

### Insulation Resistance:

5,000 megohm

### Cable Length:

25 ft

### Cable Diameter:

1,000 to 25,000 lb: 0.200 in  
50,000 to 75,000 lb: 0.305 in Polyurethane jacket

### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

Two-year limited

DOUBLE-ENDED BEAM  
**RL75016 Painted**  
Alloy Steel, Environmentally Sealed, IP67



Picture is a representation of actual product.

Approvals



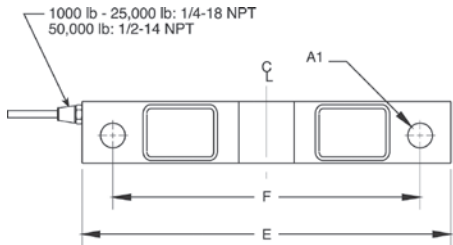
Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 1,000 lb    | 187058 | 4 lb        | \$583.00   |
| 1,500 lb    | 187059 | 4 lb        | \$583.00   |
| 2,000 lb    | 187060 | 4 lb        | \$583.00   |
| 2,500 lb    | 187061 | 4 lb        | \$583.00   |
| 3,000 lb    | 187062 | 4 lb        | \$583.00   |
| 5,000 lb    | 187063 | 4 lb        | \$583.00   |
| 10,000 lb   | 187064 | 7 lb        | \$662.00   |
| 15,000 lb   | 187065 | 7 lb        | \$662.00   |
| 20,000 lb   | 187066 | 7 lb        | \$662.00   |
| 25,000 lb   | 187067 | 7 lb        | \$662.00   |
| 50,000 lb   | 187068 | 25 lb       | \$1,007.00 |
| 75,000 lb*  | 187069 | 25 lb       | \$1,007.00 |

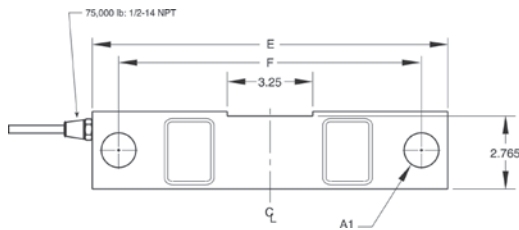
\*75,000lb capacity has a square center

Dimensions

| Rated Capacity   | A1   | A2   | C    | D    | E     | F     |
|------------------|------|------|------|------|-------|-------|
| lb/in            |      |      |      |      |       |       |
| 1,000 to 5,000   | 0.50 | 1.25 | 1.25 | 1.25 | 7.50  | 6.25  |
| 10,000 to 25,000 | 0.81 | 1.99 | 1.44 | 1.94 | 8.75  | 7.50  |
| 50,000           | 1.31 | 3.00 | 2.44 | 2.94 | 13.50 | 11.50 |
| 75,000           | 1.31 | —    | 2.44 | 2.94 | 13.50 | 11.50 |



1000-50,000lb



75,000lb

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75016\*** (Alloy)..... page 143

VPG® CELTRON

**DSR\*** (Alloy) ..... page 207

VPG® SENSORTRONICS®

**65016\*** (Alloy)..... page 302

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1600 Series** ..... page 77 and page 79

\*Cells are unpainted

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

770 (± 10) ohm

Material/Finish:

High-alloy steel, nickel plated, painted

Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

25 ft

Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

Warranty:

Two-year limited

Approvals:

cFMus



Picture is a representation of actual product.

## Approvals



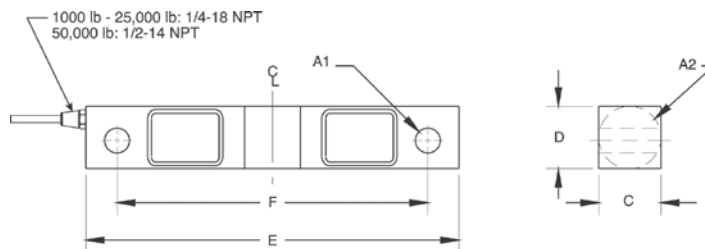
## Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 1,000 lb    | 17301  | 4 lb        | \$583.00   |
| 1,500 lb    | 17303  | 4 lb        | \$583.00   |
| 2,000 lb    | 17305  | 4 lb        | \$583.00   |
| 2,500 lb    | 17307  | 4 lb        | \$583.00   |
| 5,000 lb    | 17310  | 4 lb        | \$583.00   |
| 10,000 lb   | 17312  | 7 lb        | \$662.00   |
| 15,000 lb   | 17314  | 7 lb        | \$662.00   |
| 20,000 lb   | 17316  | 7 lb        | \$662.00   |
| 25,000 lb   | 17318  | 7 lb        | \$662.00   |
| 50,000 lb   | 17320  | 25 lb       | \$1,298.00 |
| 75,000 lb*  | 25356  | 27 lb       | \$1,298.00 |

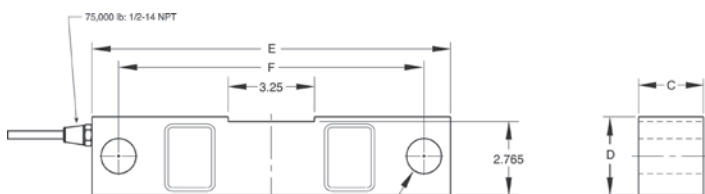
\*75,000lb capacity has a square center

## Dimensions

| Rated Capacity<br>lb/in | A1   | A2   | C    | D    | E     | F     |
|-------------------------|------|------|------|------|-------|-------|
| 1,000 to 5,000          | 0.50 | 1.25 | 1.25 | 1.25 | 7.50  | 6.25  |
| 10,000 to 25,000        | 0.81 | 1.99 | 1.44 | 1.94 | 8.75  | 7.50  |
| 50,000                  | 1.31 | 3.00 | 2.44 | 2.94 | 13.50 | 11.50 |
| 75,000                  | 1.31 | —    | 2.44 | 2.94 | 13.50 | 11.50 |



1000-50,000lb



75,000lb

## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75016WHE\*** ..... page 147

VPG® SENSORTRONICS®

**65016W** ..... page 303

VPG® SENSORTRONICS

**65016WH\*** ..... page 304

VPG® REVERE

**9203**

## Weigh Module Available

SURVIVOR®

**RL1600 HE Series**.....page 34

\*Hermetically sealed

## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

700 (± 5) ohm

### Input Resistance:

770 (± 10) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Nonlinearity:

0.07% full scale

### Hysteresis:

0.02% full scale

### Cable Diameter:

1,000 to 25,000 lb: 0.200 in  
50,000 to 75,000 lb: 0.305 in Polyurethane jacket

### Deflection at Capacity:

1,000 to 3,000 lb: 0.01 in  
5,000 lb: 0.015 in  
10,000 to 20,000 lb: 0.022 in  
25,000 lb: 0.036 in  
50,000 lb: 0.052 in  
75,000 lb: 0.07 in

### Insulation Resistance:

5,000 megohm

### Cable Length:

25 ft

### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

Two-year limited

### Approvals:

cFMus



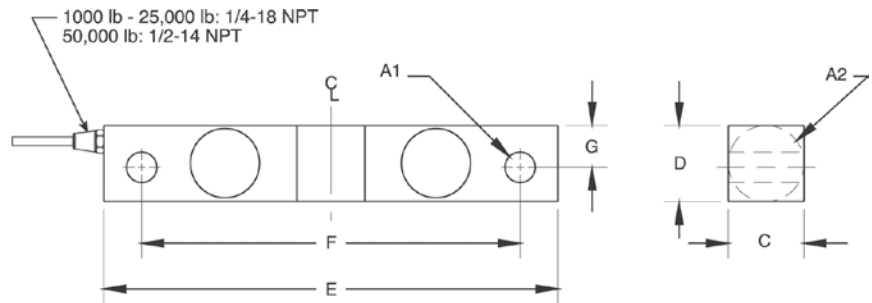
Picture is a representation of actual product.

Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 1,000 lb    | 168114 | 5 lb        | \$630.00   |
| 5,000 lb    | 168115 | 5 lb        | \$630.00   |
| 10,000 lb   | 168116 | 7 lb        | \$715.00   |
| 15,000 lb   | 168117 | 7 lb        | \$715.00   |
| 20,000 lb   | 168118 | 7 lb        | \$715.00   |
| 25,000 lb   | 168119 | 7 lb        | \$715.00   |
| 50,000 lb   | 168120 | 33 lb       | \$1,372.00 |

Dimensions

| Rated Capacity   | A1   | A2   | C    | D    | E     | F     | G    |
|------------------|------|------|------|------|-------|-------|------|
| lb/in            |      |      |      |      |       |       |      |
| 1,000 to 5,000   | 0.50 | 1.25 | 1.25 | 1.25 | 7.50  | 6.25  | 0.69 |
| 10,000 to 25,000 | 0.81 | 1.99 | 1.44 | 1.94 | 8.75  | 7.50  | 0.96 |
| 50,000           | 1.31 | 3.00 | 2.44 | 2.94 | 13.50 | 11.50 | 1.50 |



Interchangeable Products

|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| RL75016SS.....             | page 145 |
| RICE LAKE WEIGHING SYSTEMS |          |
| RL75016WHE.....            | page 147 |

Specifications

- Full Scale Output:**  
3.0 mV/V
- Output Resistance:**  
700 (± 5) ohm
- Input Resistance:**  
770 (± 10) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP67
- Safe Overload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V max)
- Hysteresis:**  
0.02% full scale
- Linearity:**  
0.03% full scale
- Cable Length:**  
25 ft
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
Two-year limited



Picture is a representation of actual product.

## Approvals

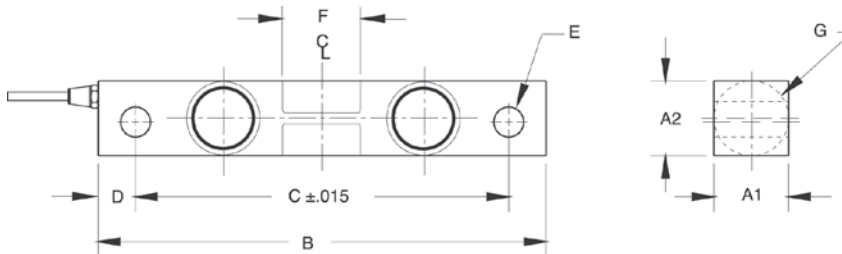


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 67043  | 4 lb        | \$736.00 |
| 1,500 lb    | 67044  | 4 lb        | \$736.00 |
| 2,000 lb    | 67045  | 4 lb        | \$736.00 |
| 2,500 lb    | 67046  | 4 lb        | \$736.00 |
| 5,000 lb    | 67047  | 4 lb        | \$736.00 |
| 10,000 lb   | 67048  | 7 lb        | \$832.00 |
| 15,000 lb   | 67049  | 7 lb        | \$832.00 |
| 20,000 lb   | 67050  | 7 lb        | \$832.00 |
| 25,000 lb   | 67051  | 7 lb        | \$832.00 |

## Dimensions

| Rated Capacity   | A1   | A2   | B    | C    | D    | E    | F    | G    | CONDUIT ADAPTER |
|------------------|------|------|------|------|------|------|------|------|-----------------|
| lb/in            |      |      |      |      |      |      |      |      |                 |
| 1,000 to 5,000   | 1.22 | 1.22 | 7.50 | 6.25 | 0.62 | 0.50 | 1.12 | 1.25 | 1/2-14 NPT      |
| 10,000 to 25,000 | 1.44 | 1.94 | 8.75 | 7.50 | 0.62 | 0.81 | 1.62 | 1.99 | 1/2-14 NPT      |



## Interchangeable Products

|                            |                |
|----------------------------|----------------|
| RICE LAKE WEIGHING SYSTEMS |                |
| <b>RL75016SS*</b>          | ..... page 145 |
| RICE LAKE WEIGHING SYSTEMS |                |
| <b>RL75016SS-W*</b>        | ..... page 146 |
| VPG® SENSORTRONICS®        |                |
| <b>65016W*</b>             | ..... page 303 |
| VPG® SENSORTRONICS         |                |
| <b>65016WH</b>             | ..... page 304 |

## Weigh Module Available

|                            |                     |
|----------------------------|---------------------|
| RICE LAKE WEIGHING SYSTEMS |                     |
| <b>RL1600 Series</b>       | page 77 and page 79 |
| *Welded seal               |                     |

## Specifications

|                               |  |
|-------------------------------|--|
| <b>Full Scale Output:</b>     | 3.0 mV/V   |
| <b>Output Resistance:</b>     | 699 to 707 ohm   |
| <b>Input Resistance:</b>      | 686 to 714 ohm   |
| <b>Material/Finish:</b>       | Stainless steel  |
| <b>Temperature:</b>           | Operating range<br>0 °F to 150 °F (-18 °C to 65 °C)                    |
| <b>Seal Type:</b>             | Hermetically sealed, IP69K   |
| <b>Safe Overload:</b>         | 150% full scale  |
| <b>Safe Sideload:</b>         | 100% full scale  |
| <b>Rated Excitation:</b>      | 5 to 10 VDC (15 V maximum)   |
| <b>Combined Error:</b>        | 0.03% full scale   |
| <b>Insulation Resistance:</b> | 2,000 megohm   |
| <b>Cable Length:</b>          | 25 ft  |
| <b>Cable Diameter:</b>        | 0.200 in<br>Polyurethane jacket  |
| <b>Cable Color Code:</b>      | Red +Excitation<br>Black -Excitation<br>Green +Signal<br>White -Signal |
| <b>Warranty:</b>              | Two-year limited   |
| <b>Approvals:</b>             | cFMus  |





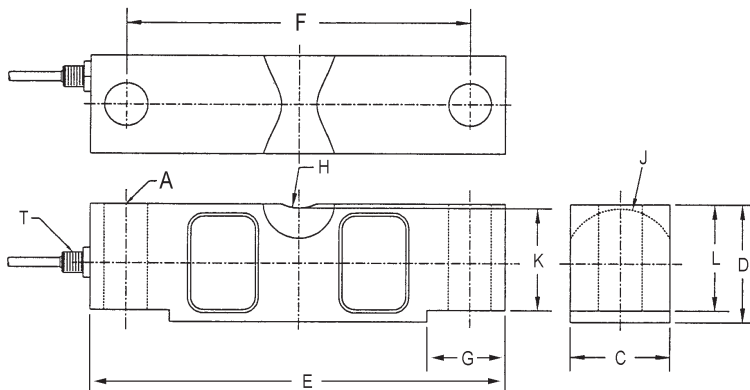
Picture is a representation of actual product.

#### Approvals



#### Dimensions

| Rated Capacity     | A    | C    | D    | E     | F     | G    | H    | J    | K    | L    | T          |
|--------------------|------|------|------|-------|-------|------|------|------|------|------|------------|
| lb/in              |      |      |      |       |       |      |      |      |      |      |            |
| 10,000 to 25,000   | 0.68 | 1.69 | 1.94 | 7.75  | 6.50  | 1.38 | 0.75 | 0.90 | 1.63 | 1.70 | 1/4-18 NPT |
| 40,000             | 0.81 | 1.94 | 2.44 | 10.25 | 8.50  | 1.93 | 1.00 | 1.12 | 2.00 | 2.10 | 1/4-18 NPT |
| 50,000 to 75,000   | 1.06 | 2.44 | 2.94 | 10.25 | 8.50  | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 | 1/2-14 NPT |
| 100,000 to 125,000 | 1.62 | 2.90 | 3.86 | 15.25 | 12.75 | 3.13 | 1.50 | 1.80 | 3.30 | 3.43 | 1/2-14 NPT |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75058-LP** ..... page 150

VPG® SENSORTRONICS®

**65058A** ..... page 305

VPG® CELTRON

**CLB** ..... page 208

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL2100HE** ..... page 36

RICE LAKE WEIGHING SYSTEMS

**MVS** ..... page 84

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

700 (± 5) ohm

##### Input Resistance:

770 (± 10) ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

35 ft

##### Cable Diameter:

10,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

Polyurethane jacket

##### Cable Coloring Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

Two-year limited

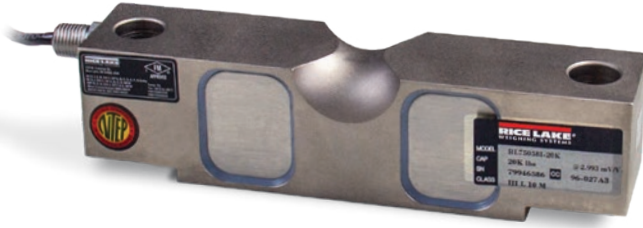
##### Approvals:

cFMus

NTEP 98-143

# RL75058I for Rice Lake Coil Scale

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product.

## Approvals

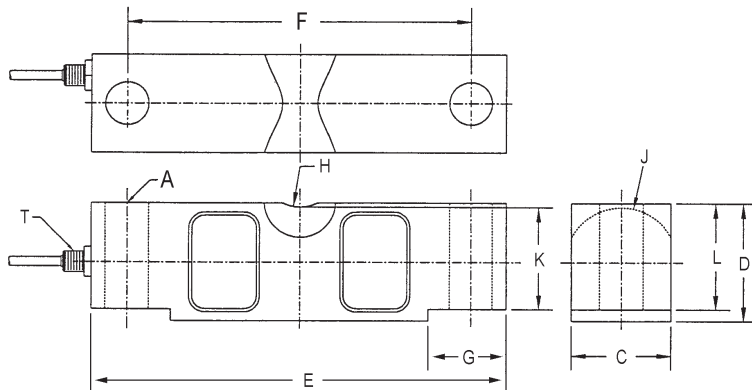


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 20,000 lb   | 121439 | 8 lb        | \$673.00 |
| 25,000 lb   | 121440 | 8 lb        | \$673.00 |
| 40,000 lb   | 121441 | 13 lb       | \$805.00 |
| 50,000 lb   | 121442 | 19 lb       | \$885.00 |
| 60,000 lb   | 121443 | 19 lb       | \$885.00 |
| 75,000 lb   | 121444 | 19 lb       | \$885.00 |

## Dimensions

| Rated Capacity   | A    | C    | D    | E     | F    | G    | H    | J    | K    | L    | T          |
|------------------|------|------|------|-------|------|------|------|------|------|------|------------|
| lb/in            |      |      |      |       |      |      |      |      |      |      |            |
| 20,000 to 25,000 | 0.68 | 1.69 | 1.94 | 7.75  | 6.50 | 1.38 | 0.75 | 0.90 | 1.63 | 1.70 | 1/4-18 NPT |
| 40,000           | 0.81 | 1.94 | 2.44 | 10.25 | 8.50 | 1.93 | 1.00 | 1.12 | 2.00 | 2.10 | 1/4-18 NPT |
| 50,000 to 75,000 | 1.06 | 2.44 | 2.94 | 10.25 | 8.50 | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 | 1/2-14 NPT |



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

699 to 707 ohm

### Input Resistance:

686 to 714 ohm

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range

14 °F to 104 °F/-10 °C to 40 °C

Operating range

0 °F to 150 °F/-18 °C to 65 °C

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

35 ft

### Cable Diameter:

20,000 lb: 0.200 in

40,000 to 75,000 lb: 0.305 in

Polyurethane jacket

### Cable Coloring Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

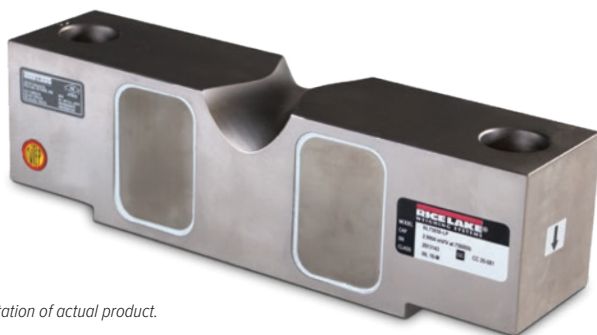
### Warranty:

Two-year limited

### Approvals:

cFMus

NTEP 98-143



Picture is a representation of actual product.

#### Approvals



#### Order Information

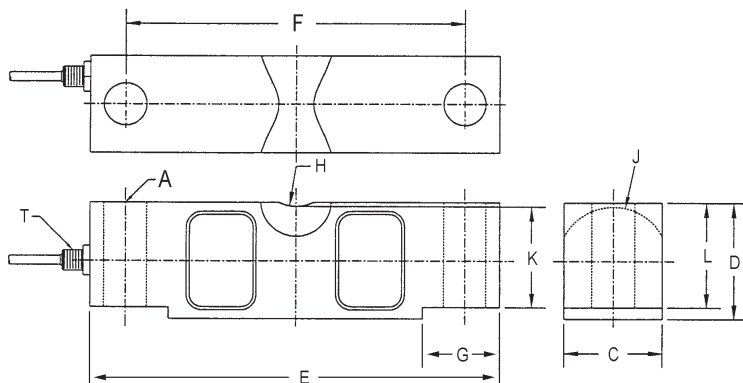
| Load Rating                           | Part # | Est. Weight | Price      |
|---------------------------------------|--------|-------------|------------|
| <b>NTEP Certified 35 ft Cable</b>     |        |             |            |
| 20,000 lb                             | 197770 | 8 lb        | \$673.00   |
| 25,000 lb                             | 197771 | 8 lb        | \$673.00   |
| 40,000 lb                             | 197772 | 13 lb       | \$805.00   |
| 50,000 lb                             | 197773 | 19 lb       | \$885.00   |
| 60,000 lb                             | 197774 | 19 lb       | \$885.00   |
| 75,000 lb                             | 197775 | 19 lb       | \$885.00   |
| 100,000 lb                            | 197776 | 40 lb       | \$1,669.00 |
| 125,000 lb                            | 197777 | 40 lb       | \$1,669.00 |
| <b>Non-NTEP Certified 35 ft Cable</b> |        |             |            |
| 10,000 lb                             | 197769 | 8 lb        | \$652.00   |
| <b>NTEP Certified 60 ft Cable</b>     |        |             |            |
| 50,000 lb                             | 197778 | 20 lb       | \$995.00   |
| 75,000 lb**                           | 197781 | 20 lb       | \$995.00   |
| 75,000 lb*                            | 197782 | 20 lb       | \$1,100.00 |
| 125,000 lb                            | 197779 | 40 lb       | \$1,800.00 |
| <b>NTEP Certified 100 ft Cable</b>    |        |             |            |
| 75,000 lb                             | 197780 | 22 lb       | \$1,100.00 |

\*Stainless steel overbraid cable

\*\*Used in Rice Lake truck scales

#### Dimensions

| Rated Capacity     | A    | C    | D    | E     | F     | G    | H    | J    | K    | L    | T          |
|--------------------|------|------|------|-------|-------|------|------|------|------|------|------------|
| lb/in              |      |      |      |       |       |      |      |      |      |      |            |
| 10,000 to 25,000   | 0.68 | 1.69 | 1.94 | 7.75  | 6.50  | 1.38 | 0.75 | 0.90 | 1.63 | 1.70 | 1/4-18 NPT |
| 40,000             | 0.81 | 1.94 | 2.44 | 10.25 | 8.50  | 1.93 | 1.00 | 1.12 | 2.00 | 2.10 | 1/4-18 NPT |
| 50,000 to 75,000   | 1.06 | 2.44 | 2.94 | 10.25 | 8.50  | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 | 1/2-14 NPT |
| 100,000 to 125,000 | 1.62 | 2.90 | 3.86 | 15.25 | 12.75 | 3.13 | 1.50 | 1.80 | 3.30 | 3.43 | 1/2-14 NPT |



#### Interchangeable Products

VP® SENSORTRONICS®

**65058A** ..... page 305

VP® CELTRON

**CLB** ..... page 208

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL2100HE**..... page 36

RICE LAKE WEIGHING SYSTEMS

**MVS**..... page 84

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

700 (± 5) ohm

##### Input Resistance:

770 (± 10) ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

35 ft

60 ft

100 ft

##### Cable Diameter:

10,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

Polyurethane jacket

##### Cable Coloring Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

Two-year limited

##### Approvals:

cFMus

NTEP 20-081



DOUBLE-ENDED BEAM  
**RL75058S-LP**  
Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class IIIIL Multiple Cell, IP68/69K



Picture is a representation of actual product.

#### Approvals

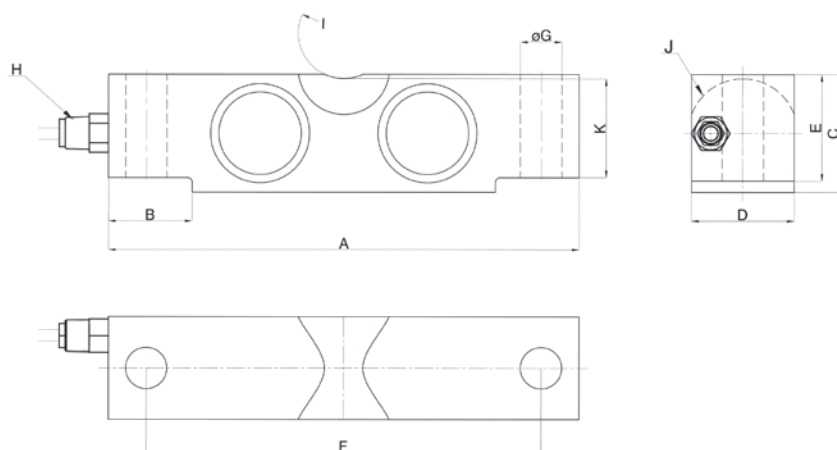


#### Order Information

| Load Rating                           | Part # | Est. Weight | Price      |
|---------------------------------------|--------|-------------|------------|
| <b>NTEP Certified 35 ft Cable</b>     |        |             |            |
| 20,000 lb                             | 197797 | 8 lb        | \$927.00   |
| 25,000 lb                             | 197798 | 8 lb        | \$927.00   |
| 40,000 lb                             | 198430 | 13 lb       | \$1,160.00 |
| 50,000 lb                             | 197799 | 19 lb       | \$1,160.00 |
| 60,000 lb                             | 197800 | 19 lb       | \$1,160.00 |
| 75,000 lb                             | 197801 | 19 lb       | \$1,160.00 |
| 100,000 lb                            | 197803 | 40 lb       | Consult    |
| 125,000 lb                            | 197804 | 40 lb       | Consult    |
| <b>Non-NTEP Certified 35 ft Cable</b> |        |             |            |
| 10,000 lb                             | 197796 | 8 lb        | \$864.00   |
| <b>NTEP Certified 60 ft Cable</b>     |        |             |            |
| 75,000 lb                             | 197802 | 20 lb       | \$1,240.00 |

#### Dimensions

| Rated Capacity     | A     | B    | C    | D    | E    | F     | ØG   | H          | I     | J     | K    |
|--------------------|-------|------|------|------|------|-------|------|------------|-------|-------|------|
| lb/in              |       |      |      |      |      |       |      |            |       |       |      |
| 10,000 to 25,000   | 7.75  | 1.38 | 1.94 | 1.69 | 1.70 | 6.50  | 0.68 | 1/4-18 NPT | R19.1 | R22.9 | 1.63 |
| 40,000             | 10.25 | 1.93 | 2.44 | 1.94 | 2.10 | 8.50  | 0.81 | 1/4-18 NPT | R25.4 | R28.5 | 2.00 |
| 50,000 to 75,000   | 10.25 | 1.93 | 2.94 | 2.44 | 2.65 | 8.50  | 1.06 | 1/2-14 NPT | R25.4 | R34.8 | 2.54 |
| 100,000 to 125,000 | 15.25 | 3.13 | 3.86 | 2.90 | 3.43 | 12.75 | 1.62 | 1/2-14 NPT | R38.1 | R45.7 | 3.30 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75058I (Alloy)**..... page 148

VPG® SENSORTRONICS®

**65058S**..... page 306

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL2100HE**..... page 36

RICE LAKE WEIGHING SYSTEMS

**MVS**..... page 84

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

700 (± 7) ohm

##### Input Resistance:

700 (± 14) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Hermetically sealed, IP68/IP69K

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

35 ft

60 ft

##### Cable Diameter:

10,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

Polyurethane jacket

##### Cable Coloring Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

Two-year limited

##### Approvals:

cFMus

NTEP 20-081

RICE LAKE  
LOAD CELLS

DOUBLE-ENDED BEAM  
**RL75060S**

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 III/1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product.

Approvals

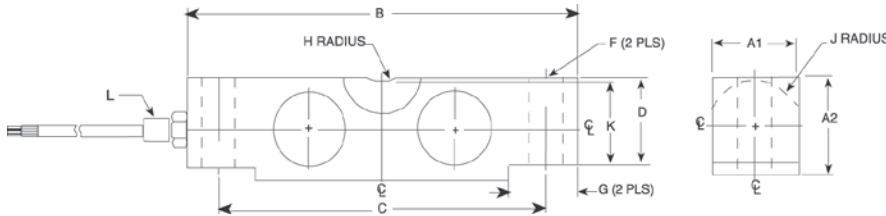


Order Information

| Load Rating        | Part # | Est. Weight | Price      |
|--------------------|--------|-------------|------------|
| <b>35 ft Cable</b> |        |             |            |
| 20,000 lb          | 53481  | 6 lb        | \$927.00   |
| 25,000 lb          | 50559  | 6 lb        | \$927.00   |
| 35,000 lb          | 50560  | 19 lb       | \$1,160.00 |
| 50,000 lb          | 50561  | 19 lb       | \$1,160.00 |
| 60,000 lb          | 50562  | 19 lb       | \$1,095.00 |
| 75,000 lb          | 50563  | 19 lb       | \$1,160.00 |
| 100,000 lb         | 50564  | 19 lb       | \$2,115.00 |
| <b>60 ft Cable</b> |        |             |            |
| 25,000 lb          | 157931 | 6 lb        | \$1,050.00 |

Dimensions

| Rated Capacity   | F    | A1   | A2   | B     | C    | G    | H    | J    | K    | D    | L          |
|------------------|------|------|------|-------|------|------|------|------|------|------|------------|
| lb/in            |      |      |      |       |      |      |      |      |      |      |            |
| 20,000 to 25,000 | 0.68 | 1.69 | 1.94 | 7.75  | 6.50 | 1.38 | 0.75 | 0.90 | 1.63 | 1.70 | 1/4-18 NPT |
| 35,000 to 75,000 | 1.06 | 2.44 | 2.94 | 10.25 | 8.50 | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 | 1/2-14 NPT |
| 100,000          | 1.06 | 2.44 | 3.44 | 10.25 | 8.50 | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 | 1/2-14 NPT |



Weigh Module Available

|                            |         |
|----------------------------|---------|
| RICE LAKE WEIGHING SYSTEMS |         |
| MVS.....                   | page 84 |
| RICE LAKE WEIGHING SYSTEMS |         |
| RL2100HE.....              | page 36 |

Specifications

- Full Scale Output:**  
3.0 mV/V
- Output Resistance:**  
699 to 707 ohm
- Input Resistance:**  
686 to 714 ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP67
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
1,000 megohm
- Cable Length:**  
35 ft  
60 ft
- Cable Diameter:**  
20,000 to 25,000 lb: 0.200 in  
35,000 to 100,000 lb: 0.305 in  
Polyurethane jacket
- Cable Coloring:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
Two-year limited
- Approvals:**  
cFMus  
NTEP 96-027



Picture is a representation of actual product.

### Approvals

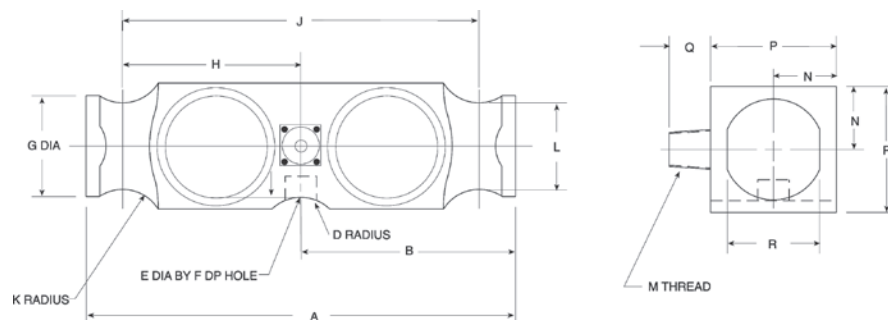


### Order Information

| Load Rating        | Part #        | Est. Weight | Price      |
|--------------------|---------------|-------------|------------|
| <b>40 ft Cable</b> |               |             |            |
| 50,000 lb          | <b>21611</b>  | 20 lb       | \$900.00   |
| 65,000 lb          | <b>21612</b>  | 20 lb       | \$900.00   |
| 100,000 lb         | <b>21613</b>  | 20 lb       | \$1,160.00 |
| <b>60 ft Cable</b> |               |             |            |
| 50,000 lb          | <b>107583</b> | 20 lb       | \$980.00   |

### Dimensions

| Rated Capacity   | A     | B    | D    | E    | F    | G    | H    | J    | K    | L    | M          | N    | P    | Q    | R    |
|------------------|-------|------|------|------|------|------|------|------|------|------|------------|------|------|------|------|
| lb/in            |       |      |      |      |      |      |      |      |      |      |            |      |      |      |      |
| 50,000 to 65,000 | 10.25 | 5.12 | 1.00 | 0.75 | 0.78 | 2.40 | 4.25 | 8.50 | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |
| 100,000          | 10.25 | 5.12 | 1.00 | —    | —    | 2.40 | 4.25 | 8.50 | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |



### Interchangeable Products

VPG® REVERE

**5223** ..... page 269

VPG® SENSORTRONICS®

**65040A-XX-1127W** ..... page 310

ARTECH®

**80210**

THURMAN®

**TSC 800**

UNIBRIDGE®

**DL9000**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink** ..... page 85

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

699 to 707 ohm

#### Input Resistance:

686 to 714 ohm

#### Material/Finish:

High-alloy steel

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Welded-seal, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5-10 VDC (15 V maximum)

#### Non-repeatability:

0.01% full scale

#### Combined Error:

0.03% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

50,000 lb: 0.018 in

65,000 lb: 0.022 in

100,000 lb: 0.034 in

#### Cable Length:

40 ft

60 ft

#### Cable Diameter:

0.305 in polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Warranty:

Two-year limited

#### Approvals:

cFMus

NTEP 97-126



DOUBLE-ENDED BEAM  
**RLDB50000S**

Stainless Steel, Welded Seal, NTEP Certified 1:10,000 IIIIL Multiple Cell, IP67



Picture is a representation of actual product.

Approvals

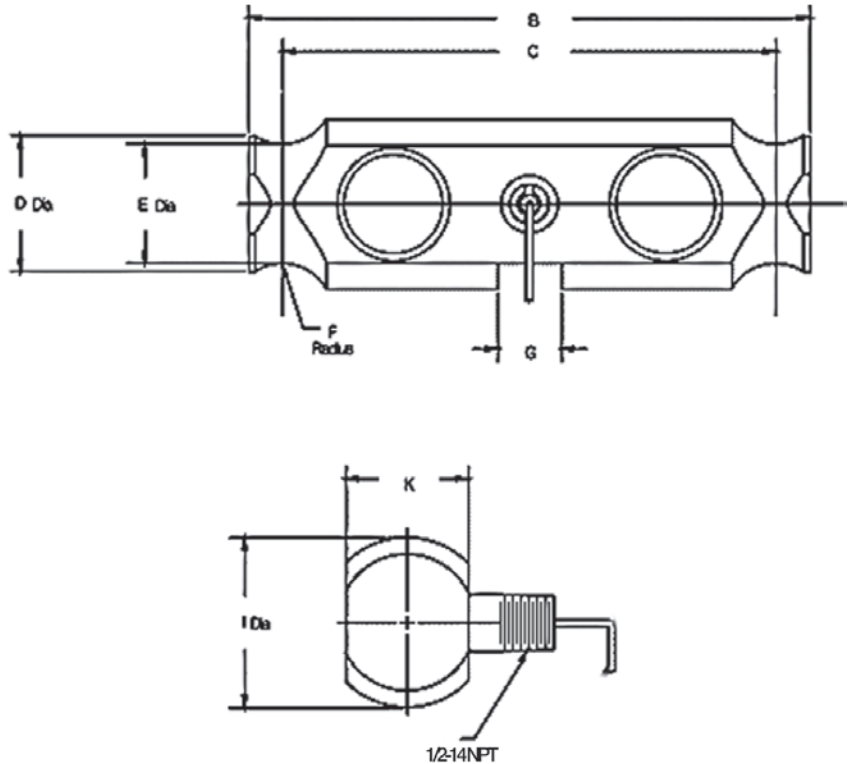


Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 50,000 lb   | 91765  | 10 lb       | \$1,266.00 |

Dimensions

| Rated Capacity | B    | C    | D    | E    | F    | G    | K    | I    |
|----------------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |
| 50,000         | 8.25 | 7.25 | 2.00 | 1.76 | 0.75 | 0.93 | 1.80 | 2.50 |



Interchangeable Products

CARDINAL®  
DB50000S

Specifications

- Full Scale Output:**  
2.0 ± 0.1% mV/V
- Output Resistance:**  
699 to 707 ohm
- Input Resistance:**  
686 to 714 ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP67
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Non-repeatability:**  
0.01% full scale
- Combined Error:**  
0.03% full scale
- Insulation Resistance:**  
5,000 megohm
- Deflection at Capacity:**  
0.01 in
- Cable Length:**  
35 ft
- Cable Diameter:**  
0.305 in  
Polyurethane jacket
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
White +Signal  
Green -Signal
- Warranty:**  
Two-year limited
- Approvals:**  
cFMus  
NTEP 92-018



Picture is a representation of actual product.

### Approvals



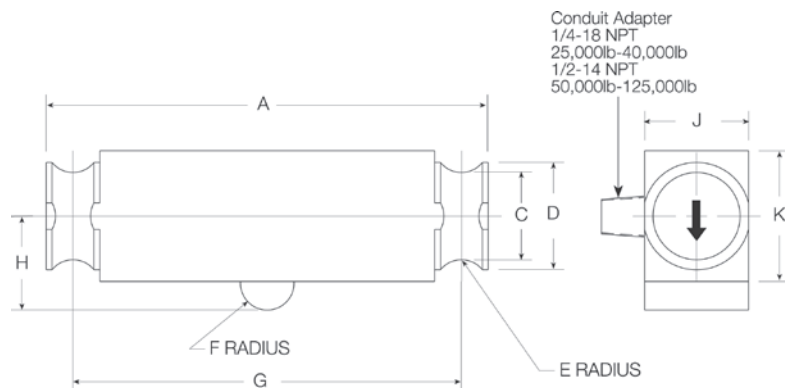
### Order Information

| Load Rating        | Part #       | Est. Weight | Price      |
|--------------------|--------------|-------------|------------|
| <b>35 ft Cable</b> |              |             |            |
| 25,000 lb          | <b>21614</b> | 11 lb       | \$673.00   |
| 40,000 lb          | <b>21615</b> | 12 lb       | \$805.00   |
| 50,000 lb LE       | <b>21616</b> | 17 lb       | \$885.00   |
| 60,000 lb LE       | <b>21617</b> | 17 lb       | \$885.00   |
| 75,000 lb          | <b>21618</b> | 17 lb       | \$885.00   |
| 100,000 lb         | <b>21619</b> | 40 lb       | \$1,669.00 |
| 125,000 lb         | <b>21620</b> | 40 lb       | \$1,669.00 |
| <b>40 ft Cable</b> |              |             |            |
| 50,000 lb SE       | <b>87253</b> | 11 lb       | \$805.00   |
| 60,000 lb SE       | <b>53593</b> | 11 lb       | \$805.00   |
| <b>50 ft Cable</b> |              |             |            |
| 50,000 lb LE       | <b>21621</b> | 18 lb       | \$917.00   |
| 60,000 lb LE       | <b>21622</b> | 18 lb       | \$917.00   |
| 75,000 lb          | <b>40951</b> | 18 lb       | \$917.00   |

SE=small envelope; LE=large envelope

### Dimensions

| Rated Capacity      | A     | C    | D    | E    | F    | G     | H    | J    | K    |
|---------------------|-------|------|------|------|------|-------|------|------|------|
| lb/in               |       |      |      |      |      |       |      |      |      |
| 25,000 to 60,000 SE | 8.25  | 1.63 | 2.00 | 0.50 | 0.50 | 7.25  | 1.75 | 1.94 | 2.44 |
| 50,000 LE to 75,000 | 11.50 | 1.70 | 2.20 | 0.75 | 1.00 | 10.00 | 2.00 | 1.94 | 2.94 |
| 100,000 to 125,000  | 14.50 | 2.44 | 3.20 | 1.00 | 1.50 | 12.50 | 2.75 | 2.90 | 3.86 |



### Interchangeable Products

VPG® SENSORTRONICS®

**65040A** ..... page 308

ARTECH®

**80310**

THURMAN®

**TSC 840**

SENTRAN

**WD1**

ANYLOAD

**102TH**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink™** ..... page 85

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

700 (± 5) ohm

#### Input Resistance:

770 (± 10) ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.03% full scale

#### Insulation Resistance:

1,000 megohm

#### Cable Length:

35 ft

40 ft

50 ft

#### Cable Diameter:

25,000 lb: 0.200 in

40,000 to 75,000 lb: 0.305 in polyurethane jacket

#### Cable Coloring Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Warranty:

Two-year limited

#### Approvals:

cFMus

NTEP 00-027

RLCSP1

Stainless Steel, Welded Seal, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product.

Approvals

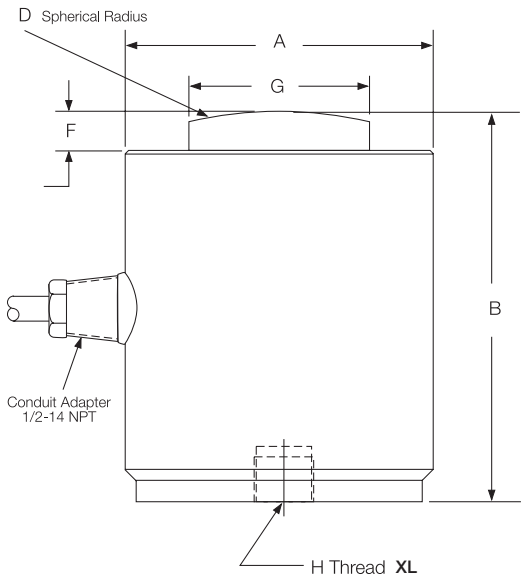


Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 35 ft Cable |        |             |            |
| 25,000 lb   | 32702  | 7 lb        | \$1,903.00 |
| 50,000 lb   | 32701  | 7 lb        | \$1,903.00 |
| 100,000 lb  | 32700  | 15 lb       | \$2,226.00 |
| 200,000 lb  | 32699  | 28 lb       | \$3,175.00 |
| 80 ft Cable |        |             |            |
| 200,000 lb  | 197788 | 30 lb       | \$3,312.00 |

Dimensions

| Rated Capacity   | A    | B    | D     | F    | G    | H          | L-DEPTH |
|------------------|------|------|-------|------|------|------------|---------|
| lb/in            |      |      |       |      |      |            |         |
| 25,000 to 50,000 | 3.00 | 3.25 | 6.00  | 0.40 | 1.25 | 1/2-20 UNF | 0.31    |
| 100,000          | 4.00 | 5.00 | 6.00  | 0.51 | 2.31 | 3/4-16 UNF | 0.56    |
| 200,000          | 6.00 | 7.25 | 17.00 | 1.04 | 3.13 | 3/4-16 UNF | 0.75    |



Interchangeable Products

VPG® REVERE  
**CSP** .....page 277  
VPG® SENSORTRONICS®  
**65088-1000**  
VPG® REVERE  
**692B**  
HOWE RICHARDSON®  
**244699-000X**  
STREETER AMET®  
**3760XXX**

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**MagnaMount** .....page 87

Specifications

**Full Scale Output:**  
2.0 mV/V  
**Output Resistance:**  
475.2 to 484.8 ohm  
**Input Resistance:**  
445.5 to 454.5 ohm  
**Material/Finish:**  
Stainless steel  
**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)  
**Seal Type:**  
Welded-seal, IP67  
**Safe Overload:**  
150% full scale  
**Rated Excitation:**  
5 to 10 VDC (15 V maximum)  
**Combined Error:**  
0.03% full scale  
**Non-repeatability:**  
0.01% full scale  
**Insulation Resistance:**  
1,000 megohm  
**Deflection at Capacity:**  
25,000 to 50,000 lb: 0.003 in  
100,000 to 125,000 lb: 0.006 in  
**Cable Length:**  
35 ft  
80 ft  
**Cable Diameter:**  
0.305 in polyurethane jacket  
**Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Orange Shield  
**Warranty:**  
Two-year limited  
**Approvals:**  
NTEP 95-140



Picture is a representation of actual product.

## Approvals

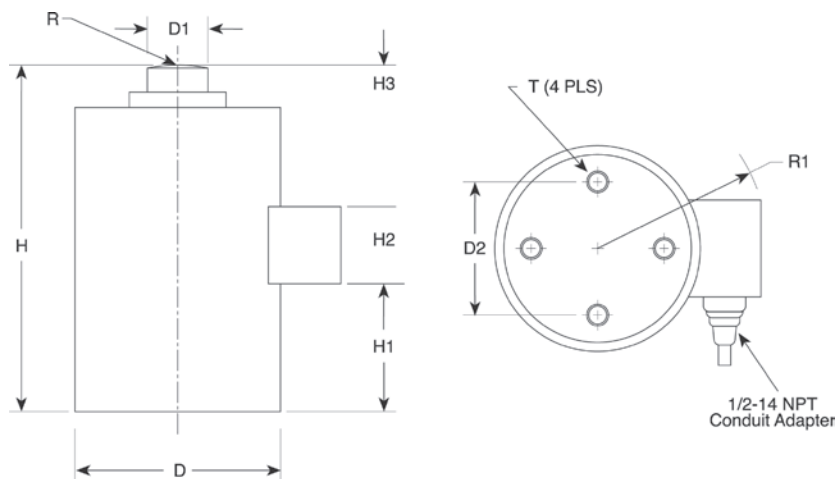


## Order Information

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 50,000 lb   | <b>34855</b> | 20 lb       | \$2,325.00 |
| 100,000 lb  | <b>34856</b> | 36 lb       | \$2,325.00 |
| 200,000 lb  | <b>34857</b> | 75 lb       | \$3,598.00 |

## Dimensions

| Rated Capacity | D    | D1   | D2   | H     | H1   | H2   | H3   | R     | R1   | T                    |
|----------------|------|------|------|-------|------|------|------|-------|------|----------------------|
| lb/in          |      |      |      |       |      |      |      |       |      |                      |
| 50,000         | 4.50 | 1.25 | 2.38 | 7.50  | 1.17 | 0.75 | 0.75 | 8.00  | 3.75 | 3/8-24 UNF × .63 DP  |
| 100,000        | 5.75 | 1.75 | 4.00 | 9.13  | 2.00 | 0.87 | 1.05 | 12.00 | 4.05 | 1/2-20 UNF × .75 DP  |
| 200,000        | 7.50 | 2.50 | 5.50 | 11.63 | 2.93 | 0.97 | 0.97 | 12.00 | 5.11 | 5/8-18 UNF × 25.4 DP |



## Interchangeable Products

VPG® REVERE

**792** .....page 278

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3.5) ohm

### Input Resistance:

350 (± 3.5) ohm

### Material/Finish:

Stainless steel

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Hermetically sealed, IP68

### Safe Overload:

150% full scale

### Rated Excitation:

10 VDC (15 V maximum)

### Non-repeatability:

0.01% full scale

### Combined Error:

0.03% full scale

### Insulation Resistance:

>1,000 megohm

### Deflection at Capacity:

50,000 lb: 0.004 in

100,000 lb: 0.006 in

200,000 lb: 0.009 in

### Cable Length:

35 ft

### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Orange Shield

### Warranty:

Two-year limited

### Approvals:

cFMus

NTEP 92-218

ROCKER COLUMN  
**RLSCA-50K**

Stainless Steel, Welded Seal, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product.

Approvals



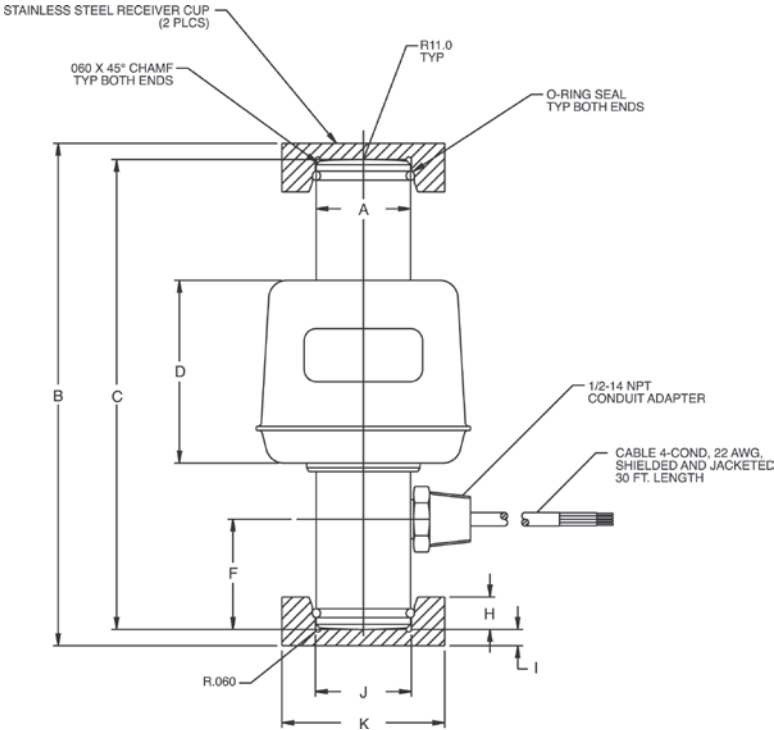
Order Information

| Load Rating                                       | Part # | Est. Weight | Price       |
|---|--------|-------------|-------------|
| 50,000 lb*  | 68918  | 7 lb        | \$1,055.00  |
| Replacement Parts                                 |        |             |             |
| Replacement load cup set upper and lower included | 85433  | 1 lb        | \$100.00    |
| Replacement O-ring                                | 92988  | 1 lb        | \$1.00/each |

\*Load cell supplied with load cups

Dimensions

| Rated Capacity | A    | B    | C    | D    | F    | H    | I    | J    | K    |
|----------------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |
| 50,000         | 1.46 | 7.75 | 7.25 | 2.82 | 1.70 | 0.50 | 0.25 | 1.48 | 2.50 |



Interchangeable Products

CARDINAL®  
SCA-50K

Specifications

- Full Scale Output:**  
2 mv/V nominal
- Output Resistance:**  
1,050 (± 10) ohm
- Input Resistance:**  
1,100 to 1,500 ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP67
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.025% full scale
- Non-repeatability:**  
0.01% full scale
- Insulation Resistance:**  
1,000 megohm
- Cable Length:**  
30 ft
- Cable Diameter:**  
0.200 in  
Polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal
- Warranty:**  
Two-year limited
- Approvals:**  
NTEP  
01-073  
cFMus

**RL70510-30 t/RL80453-100,000 lb**

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class III L, IP69K



Picture is a representation of actual product.

**Approvals****Order Information: RL70510**

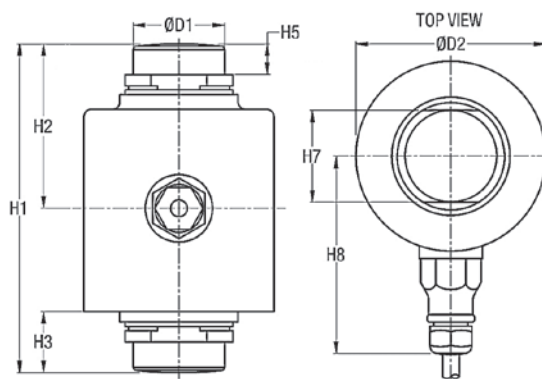
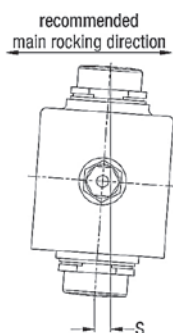
| Load Rating    | Part #        | Est. Weight | Price      |
|----------------|---------------|-------------|------------|
| 30 t           | <b>169363</b> | 6 lb        | \$1,044.00 |
| Upper load cup | <b>109332</b> | 4 lb        | \$143.00   |
| Lower load cup | <b>109331</b> | 4 lb        | \$116.00   |

**Order Information: RL80453**

| Load Rating    | Part #        | Est. Weight | Price      |
|----------------|---------------|-------------|------------|
| 100,000 lb     | <b>169365</b> | 6 lb        | \$1,070.00 |
| Upper load cup | <b>109332</b> | 4 lb        | \$143.00   |
| Lower load cup | <b>109331</b> | 4 lb        | \$116.00   |

**Dimensions**

| Rated Capacity | H1   | H2   | H3   | H5   | H7   | H8   | D1   | D2   |
|----------------|------|------|------|------|------|------|------|------|
| t/in           |      |      |      |      |      |      |      |      |
| 30             | 5.51 | 2.76 | 1.02 | 0.51 | 1.54 | 3.32 | 1.54 | 3.18 |
| lb/in          |      |      |      |      |      |      |      |      |
| 100,000        | 5.91 | 2.95 | 1.30 | 0.51 | 1.54 | 3.32 | 1.54 | 3.18 |

**Interchangeable Products**

FAIRBANKS®

**70510** ..... LCF HR 4020-2A

FAIRBANKS

**80453** ..... LCF HR 4020-21**Specifications****Full Scale Output:**

2.0 mV/v

**Output Resistance:**

1,000 (± 2) ohm

**Input Resistance:**

1,150 (± 50) ohm

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Hermetically sealed, IP69K

**Safe Overload:**

200% full scale

**Rated Excitation:**

5 to 10 VDC (15 V max)

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

5,000 megohm

**Cable Length:**

15 ft

**Cable Diameter:**

0.200 in

Stainless steel overbraid cable

**Cable Color Code:**

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

**Warranty:**

Two-year limited

**Approvals:**

NTEP 15-057



RL75114-50K

Stainless Steel, Welded Seal, NTEP Certified 1:10,000 Class III L, IP67



Picture is a representation of actual product.

Approvals



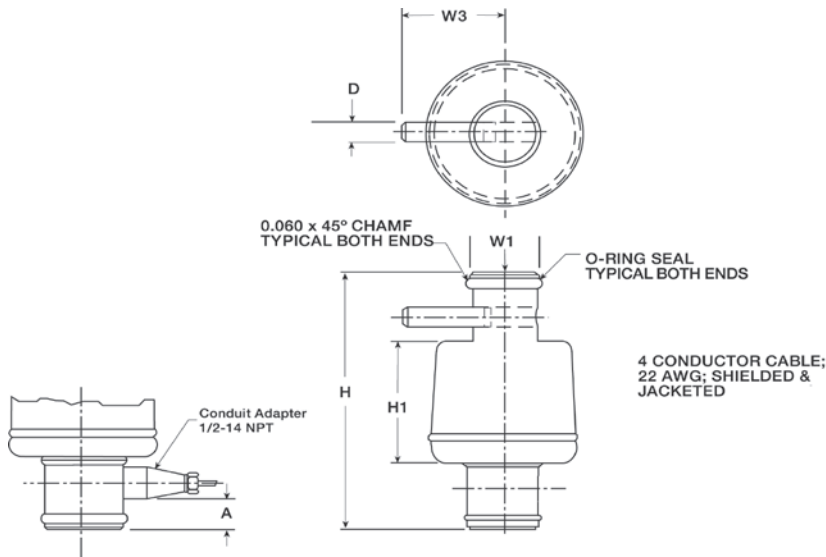
Order Information

| Load Rating        | Part # | Est. Weight | Price      |
|--------------------|--------|-------------|------------|
| 50,000 lb LE       | 88074  | 6 lb        | \$1,266.00 |
| Replacement Parts  |        |             |            |
| Replacement O-ring | 92988  | 1lb         | \$1.00     |
| Spring pin         | 116181 | 1 lb        | \$5.00     |

LE=Large envelope  
Not interchangeable with Sensortronics 65114 - different mV/v

Dimensions

| Rated Capacity | A    | D    | H    | H1   | W1   | W3   |
|----------------|------|------|------|------|------|------|
| 50,000 LE      | 0.87 | 0.38 | 7.56 | 2.82 | 1.46 | 2.18 |

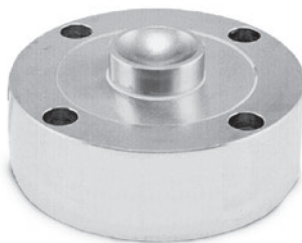


Interchangeable Products

FAIRBANKS®  
64166..... LCF HR 4020-2

Specifications

- Full Scale Output:**  
1.8 mV/v nominal
- Output Resistance:**  
1,000 (± 10) ohm
- Input Resistance:**  
1,000 ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP67
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC
- Combined Error:**  
0.025% full scale
- Non-repeatability:**  
0.01% full scale
- Insulation Resistance:**  
1,000 megohm
- Cable Length:**  
30 ft
- Cable Diameter:**  
0.200 in overbraid cable
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal
- Warranty:**  
Two-year limited
- Approvals:**  
NTEP 06-022  
cFMus



25K shown



5K shown

Load cup sold separately on 5,000 and 10,000 lb models.

Picture is a representation of actual product.

**Approvals****Order Information**

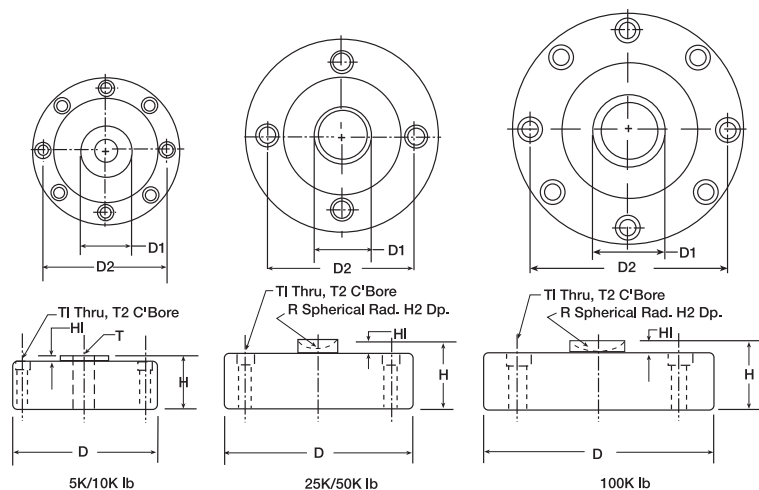
| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 5,000 lb*   | <b>33061</b> | 6 lb        | \$689.00 |
| 10,000 lb*  | <b>33062</b> | 6 lb        | \$689.00 |
| 25,000 lb   | <b>33063</b> | 9 lb        | \$843.00 |
| 50,000 lb   | <b>33064</b> | 9 lb        | \$843.00 |
| 100,000 lb  | <b>33065</b> | 13 lb       | \$990.00 |
| Load Cup**  | <b>33616</b> |             | \$37.00  |

\*5,000lb and 10,000lb models can be used in compression and tension load applications.

\*\*Load cup, PN 33616, is required for compression applications on 5,000lb and 10,000lb capacity load cells.

**Dimensions**

| Rated Capacity    | T             | R     | D    | D1   | D2   | H    | H1   | H2   | T1   | T2               |
|-------------------|---------------|-------|------|------|------|------|------|------|------|------------------|
| lb/in             |               |       |      |      |      |      |      |      |      |                  |
| 5,000* to 10,000* | 5/8-18 UNF-3B | —     | 4.12 | 1.26 | 3.50 | 1.37 | 0.12 | —    | 0.28 | 0.406 x 0.283 DP |
| 25,000 to 50,000  | —             | 0.875 | 4.75 | 1.53 | 4.00 | 2.12 | 0.50 | 0.30 | 0.34 | 0.508 x 0.38 DP  |
| 100,000           | —             | 0.875 | 5.50 | 1.98 | 4.60 | 2.25 | 0.25 | 0.30 | 0.41 | 0.626 x 0.4 DP   |

**Interchangeable Products**

VPG® CELTRON

LCD .....page 211

**Specifications****Full Scale Output:**

4.0 mV/V

**Output Resistance:**

5,000 to 50,000 lb: 350 (± 3) ohm

100,000 lb: 700 (± 5) ohm

**Input Resistance:**

5,000 to 50,000 lb: 385 (± 5) ohm

100,000 lb: 770 (± 70) ohm

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

15 VDC (15 V maximum)

**Nonlinearity:**

0.05% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

2,000 megohm

**Cable Length:**

50 ft

**Cable Diameter:**

5,000 to 25,000 lb: 0.200 in

50,000 to 100,000 lb: 0.305 in Polyurethane jacket

**Cable Color Code:**

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

**Warranty:**

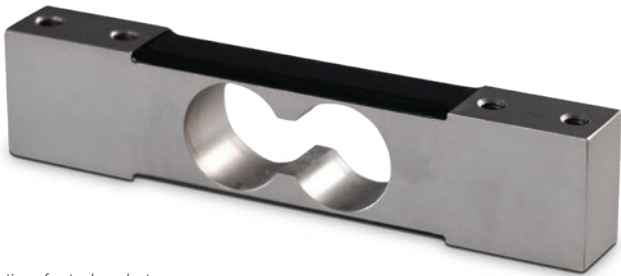
Two-year limited

**Approvals:**

cFMus

SINGLE POINT  
**RLPC3SS**

Stainless Steel, Environmentally Sealed, NTEP Certified 1:3,000 Class III Single Cell, IP67



Picture is a representation of actual product.

Approvals

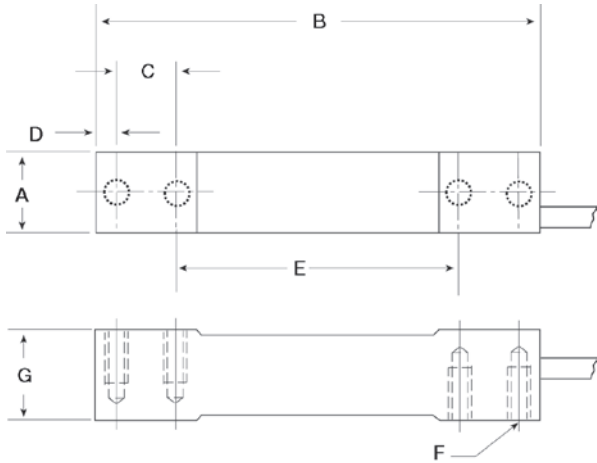


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 7 kg        | 205274 | 2 lb        | \$328.00 |
| 10 kg       | 205275 | 2 lb        | \$328.00 |
| 30 kg       | 205276 | 2 lb        | \$328.00 |
| 60 kg       | 205277 | 2 lb        | \$328.00 |
| 100 kg      | 205278 | 2 lb        | \$328.00 |
| 150 kg      | 205279 | 2 lb        | \$328.00 |

Dimensions

| Rated Capacity | A    | B     | C    | D   | E    | F          | G    |
|----------------|------|-------|------|-----|------|------------|------|
| kg/mm          |      |       |      |     |      |            |      |
| 7 to 10        | 30.2 | 139.7 | 19.1 | 6.4 | 88.9 | 1/4-20 UNC | 19.1 |
| 30 to 60       | 30.2 | 139.7 | 19.1 | 6.4 | 88.9 | 1/4-20 UNC | 23.9 |
| 100 to 150     | 30.2 | 139.7 | 22.3 | 7.8 | 79.2 | 3/8-16 UNC | 30.7 |



Interchangeable Products

|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| RL1380.....                | page 176 |
| FLINTEC                    |          |
| PC3.....                   | page 229 |
| HBK®                       |          |
| PWS.....                   | page 243 |

Specifications

Full Scale Output:

2 mv/v

Output Resistance:

350 (± 10) ohm

Input Resistance:

385 (± 15) ohm

Material Finish:

Stainless steel

Temperature Compensation:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Insulation Resistance:

5,000 megohm

Max Platform Size:

7 kg to 30 kg: 350 × 350 mm  
60 kg to 150 kg: 450 × 450 mm

Combined Error:

0.02% full scale

Cable Length:

10 ft

Cable Diameter:

0.140 in polyurethane jacket

Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

Warranty:

One-year limited

Approvals:

NTEP 21-017  
OIML R60/2017-A-NL1-21.17



Picture is a representation of actual product.

#### Approvals

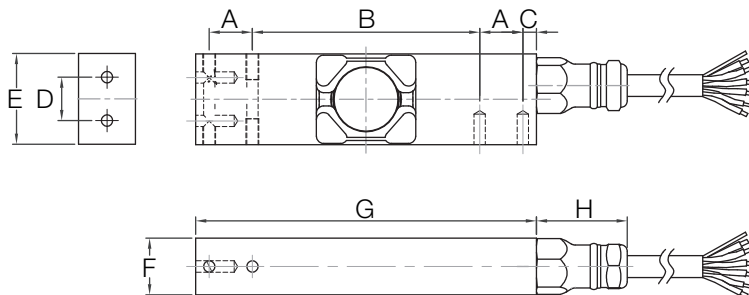


#### Order Information

| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 10 kg       | <b>205270</b> | 3 lb        | \$630.00 |
| 20 kg       | <b>205271</b> | 3 lb        | \$630.00 |
| 50 kg       | <b>205272</b> | 3 lb        | \$630.00 |
| 100 kg      | <b>205273</b> | 3 lb        | \$630.00 |

#### Dimensions

| Rated Capacity | A    | B     | C   | D    | E    | F    | G     | H    |
|----------------|------|-------|-----|------|------|------|-------|------|
| kg/mm          |      |       |     |      |      |      |       |      |
| 10 to 100      | 19.0 | 100.0 | 6.0 | 19.1 | 40.0 | 25.0 | 150.0 | 40.0 |



#### Interchangeable Products

FLINTEC  
**PC4** ..... page 230  
HBK®  
**PW15AH\*** ..... page 242  
\*350 Ohm

#### Specifications

##### Full Scale Output:

2 mv/v

##### Output Resistance:

960 (± 50) ohm

##### Input Resistance:

1100 (± 50) ohm

##### Material Finish:

Stainless steel

##### Temperature Compensation:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Hermetically sealed, IP68

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC

##### Insulation Resistance:

> 5,000 megohm

##### Max Platform Size:

500 × 400 mm

##### Combined Error:

0.02% full scale

##### Cable Length:

10 ft

##### Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Blue +Sense

Brown -Sense

Yellow Shield

##### Warranty:

One-year limited

##### Approvals:

NTEP 21-016

OIML R60/2017-A-NL1-21.18

SINGLE POINT  
**RLPC6**

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP69K



Picture is a representation of actual product.

Approvals

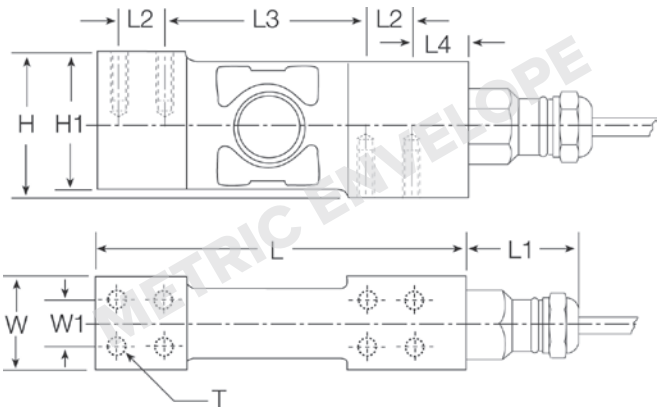


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 10 kg       | 87027  | 3 lb        | \$630.00 |
| 20 kg       | 87028  | 3 lb        | \$630.00 |
| 50 kg       | 87029  | 3 lb        | \$630.00 |
| 100 kg      | 87030  | 3 lb        | \$630.00 |
| 200 kg      | 87031  | 3 lb        | \$630.00 |

Dimensions

| Rated Capacity | H    | H1   | L     | L1   | L2   | L3   | L4   | W    | W1   | T            |
|----------------|------|------|-------|------|------|------|------|------|------|--------------|
| kg/mm          |      |      |       |      |      |      |      |      |      |              |
| 10 to 200      | 48.0 | 45.5 | 123.0 | 41.0 | 15.2 | 67.6 | 17.8 | 30.1 | 15.2 | 8 x M6/15 DP |



Interchangeable Products

FLINTEC  
PC6 ..... page 231

Specifications

**Full Scale Output:**  
2.0 mv/v

**Output Resistance:**  
960 ( $\pm 50$ ) ohm, nominal

**Input Resistance:**  
1,100 ( $\pm 50$ ) ohm

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Hermetically sealed, IP69K

**Safe Overload:**  
200% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5 to 10 VDC

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohm

**Cable Length:**  
10 ft

**Cable Diameter:**  
0.196 in  
Polyurethane jacket

**Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

**Max Deflection:**  
0.006 to 0.010 in

**Max Platform Size:**  
24 x 24 in

**Warranty:**  
Two-year limited

**Approvals:**  
FM  
NTEP 06-011



Picture is a representation of actual product.

## Approvals

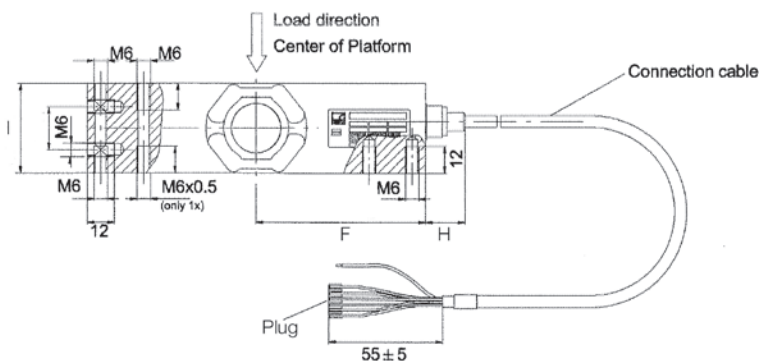


## Order Information

| Load Rating          | Part # | Est. Weight | Price    |
|----------------------|--------|-------------|----------|
| <b>10 ft Cable</b>   |        |             |          |
| 10 kg                | 108685 | 3 lb        | \$768.00 |
| 20 kg                | 108686 | 3 lb        | \$768.00 |
| 50 kg                | 108687 | 3 lb        | \$768.00 |
| 100 kg               | 108688 | 3 lb        | \$768.00 |
| <b>2.83 ft Cable</b> |        |             |          |
| 10 kg                | 107174 | 3 lb        | \$768.00 |
| 20 kg                | 107175 | 3 lb        | \$768.00 |
| 50 kg                | 107176 | 3 lb        | \$768.00 |
| 100 kg               | 107177 | 3 lb        | \$768.00 |

## Dimensions

| Rated Capacity | B    | E    | F    | G     | H    | I    | J     |
|----------------|------|------|------|-------|------|------|-------|
| kg/mm          |      |      |      |       |      |      |       |
| 10 to 100      | 19.0 | 25.0 | 75.0 | 100.0 | 17.5 | 40.0 | 150.0 |



**Mounting:**  
Cylindrical head screw M6-10.9  
Tightening torque: 14 N·m

## Interchangeable Products

HBK®  
PW15AH ..... page 242

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 10) ohm

### Input Resistance:

380 (± 15) ohm

### Material/Finish:

Stainless steel

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Hermetically sealed, IP69K

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

1,000 megohm

### Cable Length:

10 ft

2.83 ft

### Cable Diameter:

0.212 in PVC jacket

### Platform Size:

500 × 400 mm

### Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

### Warranty:

Two-year limited

### Approvals:

FM

NTEP 09-015



SINGLE POINT  
**RLPWM15**

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP67



Picture is a representation of actual product.

Approvals

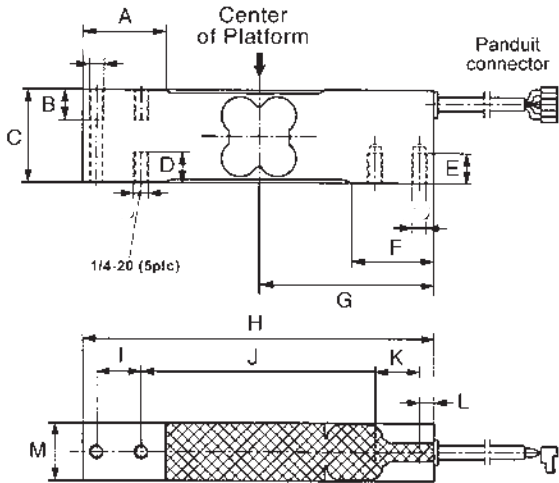


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 10 kg       | 119904 | 1 lb        | \$344.00 |
| 15 kg       | 119912 | 1 lb        | \$344.00 |
| 20 kg       | 119905 | 1 lb        | \$344.00 |
| 50 kg       | 119908 | 1 lb        | \$344.00 |
| 75 kg       | 119909 | 1 lb        | \$344.00 |
| 100 kg      | 119910 | 1 lb        | \$344.00 |
| 150 kg      | 119911 | 1 lb        | \$344.00 |

Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H     | I    | J     | K    | L   | M    | T          |
|----------------|------|------|------|------|------|------|------|-------|------|-------|------|-----|------|------------|
| kg/mm          |      |      |      |      |      |      |      |       |      |       |      |     |      |            |
| 10 to 150      | 35.0 | 13.0 | 40.0 | 13.0 | 13.0 | 35.0 | 75.0 | 150.0 | 19.0 | 100.0 | 19.0 | 6.2 | 25.0 | 1/4-20 UNC |



Interchangeable Products

|                      |                |
|----------------------|----------------|
| HBK®                 |                |
| PW15                 | ..... page 241 |
| VPG® TEDEA-HUNTLEIGH |                |
| 1142                 | ..... page 330 |

Specifications

|                               |   |
|-------------------------------|---|
| <b>Full Scale Output:</b>     | 2.0 mV/V  |
| <b>Bridge Resistance:</b>     | 350 ohm, nominal  |
| <b>Material/Finish:</b>       | Stainless steel   |
| <b>Temperature:</b>           | Compensated range<br>14 °F to 104 °F (-10 °C to 40 °C)<br>Operating range<br>0 °F to 150 °F (-18 °C to 65 °C) |
| <b>Seal Type:</b>             | Environmentally sealed, IP67  |
| <b>Safe Overload:</b>         | 150% full scale   |
| <b>Rated Excitation:</b>      | 5 to 10 VDC (15 V maximum)  |
| <b>Combined Error:</b>        | 0.02% full scale  |
| <b>Insulation Resistance:</b> | 1,000 megohm  |
| <b>Cable Length:</b>          | 10 ft   |
| <b>Cable Diameter:</b>        | 0.190 in PVC jacket   |
| <b>Max Platform Size:</b>     | 15 × 15 in  |
| <b>Cable Color Code:</b>      | Blue +Excitation<br>Black -Excitation<br>White +Signal<br>Red -Signal<br>Green +Sense<br>Grey -Sense          |
| <b>Warranty:</b>              | Two-year limited  |
| <b>Approvals:</b>             | FM<br>NTEP 11-038   |



Picture is a representation of actual product.

#### Approvals

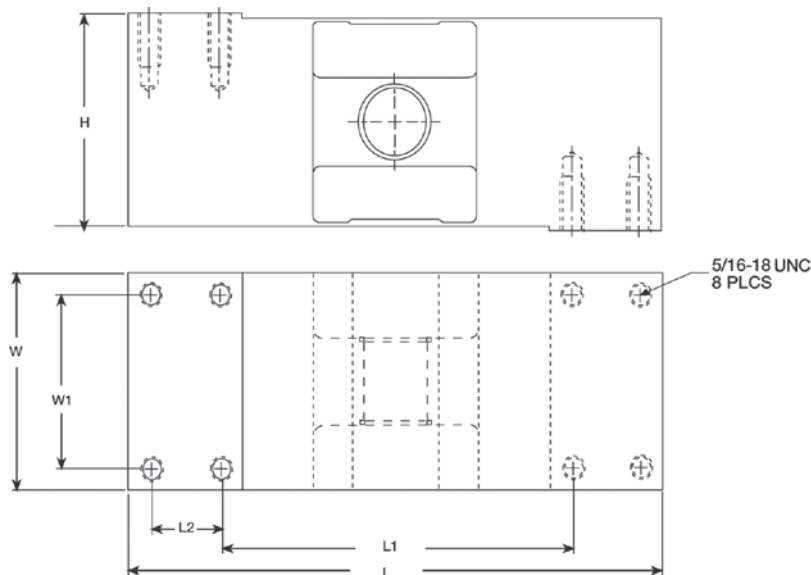


#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 kg       | 87022  | 12 lb       | \$980.00 |
| 100 kg      | 87023  | 12 lb       | \$980.00 |
| 250 kg      | 87024  | 13 lb       | \$980.00 |
| 500 kg      | 87025  | 13 lb       | \$980.00 |
| 1,000 kg    | 87026  | 15 lb       | \$980.00 |

#### Dimensions

| Rated Capacity | L     | L1    | L2   | W    | W1   | H    |
|----------------|-------|-------|------|------|------|------|
| kg/mm          |       |       |      |      |      |      |
| 50 to 1,000    | 190.5 | 107.0 | 35.0 | 73.7 | 50.0 | 73.7 |



#### Specifications

##### Full Scale Output:

2 mv/v

##### Output Resistance:

960 ( $\pm 50$ ) ohm

##### Input Resistance:

1,100 ( $\pm 50$ ) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Hermetically sealed, IP69K

##### Safe Overload:

200% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC

##### Combined Error:

0.020% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

10 ft

##### Cable Diameter:

0.196 in

Polyurethane jacket

##### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Blue +Sense

Brown -Sense

Yellow Shield

##### Max Platform Size:

24 × 24 in

##### Warranty:

Two-year limited

##### Approvals:

FM

NTEP 07-094

# SINGLE POINT RL1521A

Aluminum, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP66



Picture is a representation of actual product.

## Approvals

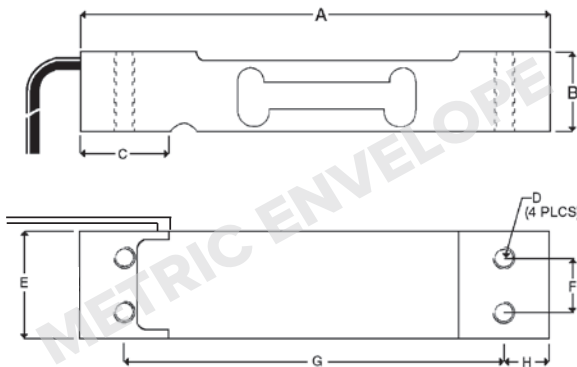


## Order Information:

| Load Rating           | Part # | Est. Weight | Price    |
|-----------------------|--------|-------------|----------|
| <b>1.50 ft Cables</b> |        |             |          |
| 3 kg                  | 50620  | 1 lb        | \$148.00 |
| 5 kg                  | 50619  | 1 lb        | \$148.00 |
| 7 kg                  | 50621  | 1 lb        | \$148.00 |
| 10 kg                 | 50622  | 1 lb        | \$148.00 |
| 15 kg                 | 50623  | 1 lb        | \$148.00 |
| 20 kg                 | 50624  | 1 lb        | \$148.00 |
| 30 kg                 | 50625  | 1 lb        | \$148.00 |
| 35 kg                 | 50626  | 1 lb        | \$148.00 |
| <b>10 ft Cables</b>   |        |             |          |
| 3 kg                  | 132261 | 3 lb        | \$148.00 |
| 5 kg                  | 132262 | 3 lb        | \$148.00 |
| 7 kg                  | 132263 | 3 lb        | \$148.00 |
| 10 kg                 | 132264 | 3 lb        | \$148.00 |
| 15 kg                 | 132265 | 3 lb        | \$148.00 |
| 20 kg                 | 132266 | 3 lb        | \$148.00 |
| 30 kg                 | 132267 | 3 lb        | \$148.00 |
| 35 kg                 | 132268 | 3 lb        | \$148.00 |

## Dimension

| Rated Capacity | A     | B    | C    | D        | E    | F    | G     | H    |
|----------------|-------|------|------|----------|------|------|-------|------|
| kg/mm          |       |      |      |          |      |      |       |      |
| 3 to 7         | 130.0 | 22.0 | 25.0 | M6 × 1.0 | 25.4 | 15.0 | 106.0 | 12.0 |
| 10 to 30       | 130.0 | 22.0 | 25.0 | M6 × 1.0 | 30.0 | 15.0 | 106.0 | 12.0 |
| 35             | 130.0 | 22.0 | 25.0 | M6 × 1.0 | 40.0 | 15.0 | 106.0 | 12.0 |



## Interchangeable Products

VPG® CELTRON

**LPS** except 3 kg ..... page 209

VPG® TEDEA-HUNTLEIGH

**1022** ..... page 322

VPG® BLH

**C2G1**

FAIRBANKS®

**4900 Series**  
**Checkweighers**

NMB®

**C2G1**

ARTECH®

**61022**

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3) ohm

### Input Resistance:

410 (± 15) ohm

### Material/Finish:

Aluminum

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP66

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.03% full scale

### Insulation Resistance:

2,000 megohm

### Cable Length:

10 ft

1.50 ft

### Cable Diameter:

0.14 in PVC jacket

### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

### Max Platform Size:

13.75 × 13.75 in

### Warranty:

Two-year limited

### Approvals:

cFMus

NTEP 98-166



Picture is a representation of actual product.

### Approvals

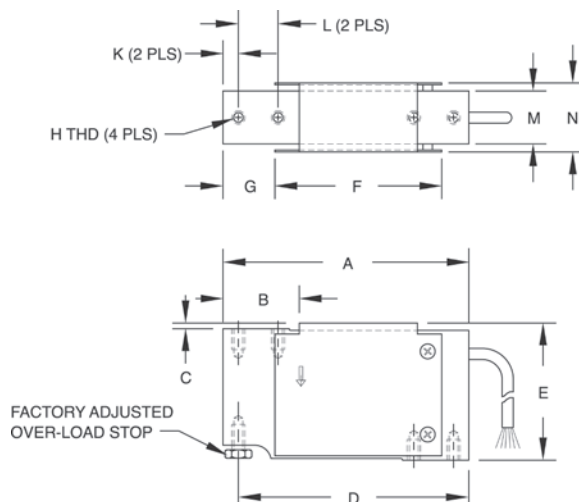


### Order Information

| Load Rating                         | Part # | Est. Weight | Price    |
|-------------------------------------|--------|-------------|----------|
| <b>NTEP Certified, Potted</b>       |        |             |          |
| 10 kg                               | 50819  | 2 lb        | \$205.00 |
| 15 kg                               | 50820  | 2 lb        | \$205.00 |
| 20 kg                               | 50821  | 2 lb        | \$205.00 |
| 30 kg                               | 50822  | 2 lb        | \$205.00 |
| 50 kg                               | 50823  | 2 lb        | \$205.00 |
| <b>Non-NTEP Certified, Potted</b>   |        |             |          |
| 7 kg                                | 17529  | 2 lb        | \$205.00 |
| 10 kg                               | 17530  | 2 lb        | \$205.00 |
| 15 kg                               | 17531  | 2 lb        | \$195.00 |
| 20 kg                               | 17532  | 2 lb        | \$205.00 |
| 30 kg                               | 17533  | 2 lb        | \$205.00 |
| 50 kg                               | 17534  | 2 lb        | \$205.00 |
| 90 kg                               | 17535  | 2 lb        | \$205.00 |
| <b>Non-NTEP Certified, Unpotted</b> |        |             |          |
| 3 kg                                | 17527  | 1 lb        | \$190.00 |
| 5 kg                                | 17528  | 1 lb        | \$190.00 |

### Dimensions

| Rated Capacity | A     | B    | C   | D     | E    | F    | G    | H                  | K   | L    | M    | N    |
|----------------|-------|------|-----|-------|------|------|------|--------------------|-----|------|------|------|
| kg/mm          |       |      |     |       |      |      |      |                    |     |      |      |      |
| 3 to 90        | 118.1 | 34.0 | 3.0 | 110.5 | 66.0 | 80.0 | 25.0 | 1/4-20 UNC × 13 DP | 7.5 | 19.1 | 25.4 | 33.5 |



### Interchangeable Products

VPG® TEDEA-HUNTLEIGH

1010/1015 ..... page 323

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

350 (± 3) ohm, nominal

#### Input Resistance:

415 (± 15) ohm

#### Material/Finish:

Anodized aluminum

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Potted: IP67

Unpotted: IP65

#### Safe Overload:

150% at center of loading point, full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

0.015 in

#### Cable Length:

Potted: 10ft

Unpotted: 3 ft

#### Cable Diameter:

0.200 in PVC jacket

#### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

#### Max Platform Size:

15.75 × 15.75 in

#### Warranty:

Two-year limited

#### Approvals:

cFMus

NTEP 00-062



Picture is a representation of actual product.

Approvals

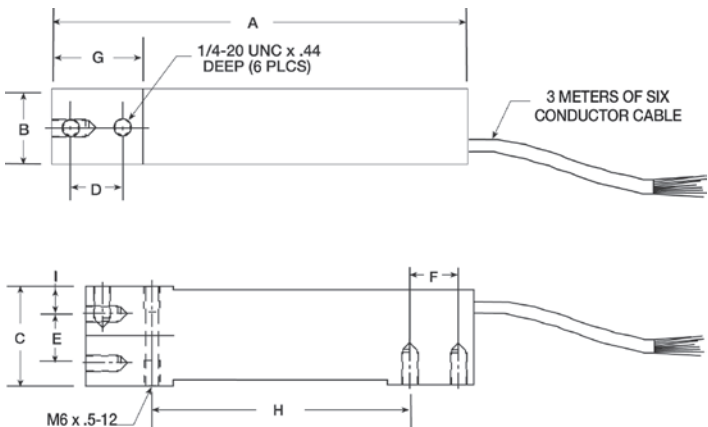


Order Information

| Load Rating        | Part # | Est. Weight | Price    |
|--------------------|--------|-------------|----------|
| NTEP Certified     |        |             |          |
| 7 kg               | 91725  | 2 lb        | \$222.00 |
| 10 kg              | 91726  | 2 lb        | \$222.00 |
| 15 kg              | 91727  | 2 lb        | \$222.00 |
| 20 kg              | 91728  | 2 lb        | \$222.00 |
| 30 kg              | 91729  | 2 lb        | \$222.00 |
| 50 kg              | 91730  | 2 lb        | \$222.00 |
| 75 kg              | 91731  | 2 lb        | \$222.00 |
| 100 kg             | 91732  | 2 lb        | \$222.00 |
| Non-NTEP Certified |        |             |          |
| 5 kg               | 91724  | 2 lb        | \$222.00 |

Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F    | G    | H    | I    |
|----------------|-------|------|------|------|------|------|------|------|------|
| kg/mm          |       |      |      |      |      |      |      |      |      |
| 5 to 100       | 150.3 | 25.4 | 39.9 | 19.1 | 19.1 | 19.1 | 33.8 | 99.6 | 11.4 |



Interchangeable Products

HBK®  
SP4M..... page 240

Specifications

- Full Scale Output:**  
2.0 mV/V
- Output Resistance:**  
350 (± 3) ohm
- Input Resistance:**  
350 ohm
- Material/Finish:**  
Anodized aluminum
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP66
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
5,000 megohm
- Deflection at Capacity:**  
0.4 mm
- Cable Length:**  
10 ft
- Cable Diameter:**  
0.19 in PVC jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense  
Yellow Shield
- Max Platform Size:**  
5 to 10 kg: 12 × 12 in  
15 to 30 kg: 18 × 18 in  
50 to 100 kg: 24 × 24 in
- Warranty:**  
Two-year limited
- Approvals:**  
FM  
NTEP 05-114



Picture is a representation of actual product.

## Approvals

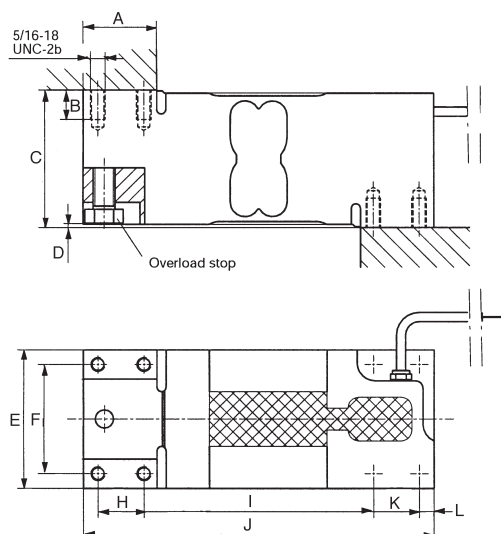


## Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 150 kg      | <b>91677</b> | 6 lb        | \$334.00 |
| 500 kg      | <b>91681</b> | 6 lb        | \$334.00 |
| 1,000 kg    | <b>91683</b> | 6 lb        | \$334.00 |

## Dimensions

| Rated Capacity | A    | B    | C    | D   | E    | F    | H    | I     | J     | K    | L   |
|----------------|------|------|------|-----|------|------|------|-------|-------|------|-----|
| kg/mm          |      |      |      |     |      |      |      |       |       |      |     |
| 150 to 1,000   | 40.0 | 16.0 | 75.0 | 1.5 | 76.0 | 60.0 | 25.0 | 125.0 | 191.0 | 25.0 | 8.0 |



## Interchangeable Products

VPG® TEDEA-HUNTLEIGH

**1250** ..... page 334

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

330 to 450 ohm, nominal

### Input Resistance:

300 to 500 ohm

### Material/Finish:

Aluminum

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

1,000 megohm

### Cable Length:

10 ft

### Cable Diameter:

0.190 in PVC jacket

### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

### Warranty:

Two-year limited

### Max Platform Size:

30 × 30 in

### Approvals:

FM

NTEP 05-113



SINGLE POINT  
**RLPWM16**

Aluminum, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP67



Picture is a representation of actual product.

Approvals

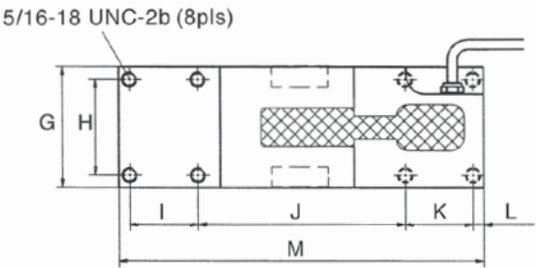
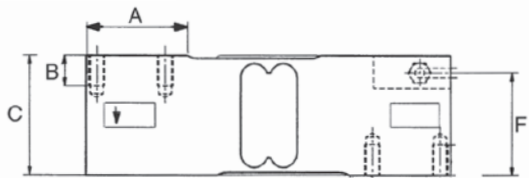


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 75 kg       | 91686  | 5 lb        | \$313.00 |

Dimensions

| Rated Capacity | A    | B    | C    | F    | G    | H    | I    | J     | K    | L   | M     |
|----------------|------|------|------|------|------|------|------|-------|------|-----|-------|
| kg/mm          |      |      |      |      |      |      |      |       |      |     |       |
| 75 to 150      | 52.0 | 16.0 | 62.3 | 52.3 | 63.0 | 50.0 | 35.0 | 107.0 | 35.0 | 5.5 | 188.0 |



Interchangeable Products

|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| RL1260 .....               | page 178 |
| VPG® TEDEA-HUNTLEIGH       |          |
| 1260 .....                 | page 331 |

Specifications

- Full Scale Output:**  
2.0 mV/V
- Output Resistance:**  
300 to 500 ohm
- Input Resistance:**  
300 to 500 ohm
- Material/Finish:**  
Aluminum
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
1,000 megohm
- Cable Length:**  
10 ft
- Cable Diameter:**  
0.190 in PVC jacket
- Max Platform Size:**  
24 × 24 in
- Deflection at Capacity**  
50 to 635 kg < 0.6 mm
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense
- Warranty:**  
Two-year limited
- Approvals:**  
FM  
NTEP 05-112



Picture is a representation of actual product.

#### Approvals

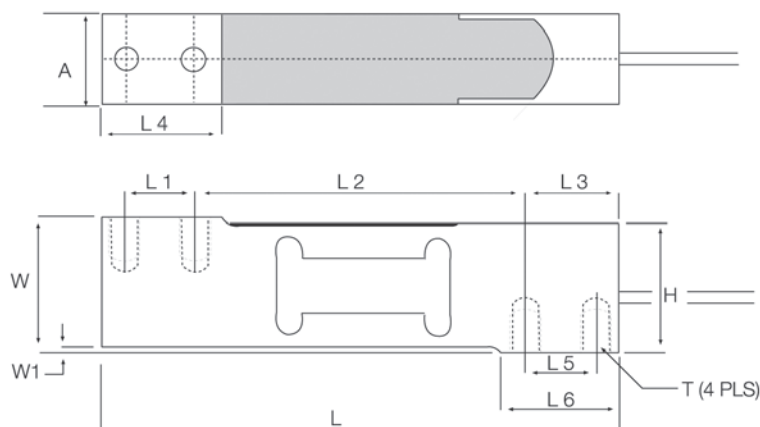


#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1 kg        | 40955  | 1 lb        | \$190.00 |
| 10 kg       | 40958  | 1 lb        | \$190.00 |
| 15 kg       | 40959  | 1 lb        | \$190.00 |
| 20 kg       | 40960  | 1 lb        | \$190.00 |

#### Dimensions

| Rated Capacity | A    | H    | L     | L1   | L2    | L3   | L4   | L5   | L6   | W    | W1  | T          |
|----------------|------|------|-------|------|-------|------|------|------|------|------|-----|------------|
| kg/mm          |      |      |       |      |       |      |      |      |      |      |     |            |
| 1 to 20        | 20.0 | 39.0 | 150.0 | 19.0 | 100.0 | 25.0 | 34.0 | 19.0 | 34.0 | 40.0 | 1.0 | 1/4-20 UNC |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLSP4**..... page 170

VPG® TEDEA-HUNTLEIGH

**1042**..... page 325

HBK®

**SP4M**..... page 240

FLINTEC

**PC 42**

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

415 (± 15) ohm

##### Material/Finish:

Aluminum

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP66

##### Safe Overload:

150% full scale

Over-center loading point

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Deflection at Capacity:

0.015 in

##### Insulation Resistance:

2,000 megohm

##### Cable Length:

10 ft

##### Cable Diameter:

0.200 in PVC jacket

##### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

##### Platform Size:

16 × 16 in

##### Warranty:

Two-year limited

##### Approvals:

FM

NTEP 97-138

SINGLE POINT  
**RL1040**

Aluminum, NTEP Certified 1:5,000 Class III Single Cell, Potted and Unpotted, IP65/IP67



Picture is a representation of actual product.

Approvals

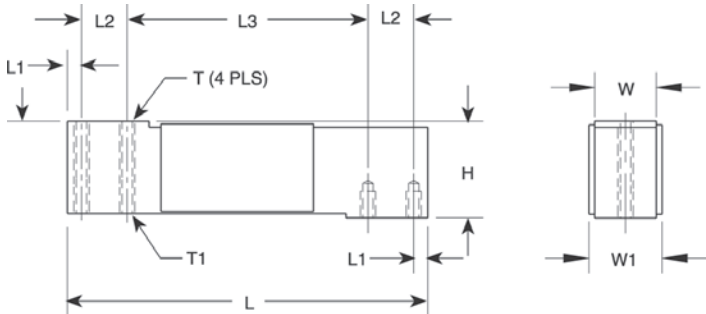


Order Information

| Load Rating          | Part # | Est. Weight | Price    |
|----------------------|--------|-------------|----------|
| <b>Potted IP67</b>   |        |             |          |
| 7 kg                 | 32860  | 2 lb        | \$206.00 |
| 10 kg                | 32861  | 2 lb        | \$206.00 |
| 15 kg                | 32862  | 2 lb        | \$206.00 |
| 20 kg                | 32863  | 2 lb        | \$206.00 |
| 30 kg                | 32864  | 2 lb        | \$206.00 |
| 50 kg                | 32865  | 2 lb        | \$206.00 |
| 100 kg               | 32866  | 2 lb        | \$206.00 |
| <b>Unpotted IP65</b> |        |             |          |
| 5 kg                 | 32859  | 2 lb        | \$206.00 |

Dimensions

| Rated Capacity | H    | L     | L1   | L2   | L3    | T                  | T1                 | W    | W1   |
|----------------|------|-------|------|------|-------|--------------------|--------------------|------|------|
| kg/mm          |      |       |      |      |       |                    |                    |      |      |
| 5 to 100       | 40.0 | 150.0 | 5.95 | 19.1 | 100.0 | 1/4-20 UNC × 10 DP | 1/4-28 UNF × 10 DP | 25.4 | 29.4 |



Interchangeable Products

VPG® TEDEA-HUNTLEIGH  
**1040** ..... page 326  
CARDINAL  
**TSP**

Specifications

- Full Scale Output:**  
2.0 mV/V
- Output Resistance:**  
350 (± 3) ohm
- Input Resistance:**  
415 (± 5) ohm
- Material/Finish:**  
Anodized aluminum
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Potted, IP67  
Unpotted, IP65
- Safe Overload:**  
200% at center loading point, full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
2,000 megohm
- Deflection at Capacity:**  
0.4 mm
- Cable Length:**  
10 ft
- Cable Diameter:**  
0.200 in PVC jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense
- Max Platform Size:**  
15.75 × 15.75 in
- Warranty:**  
Two-year limited
- Approvals:**  
cFMus  
NTEP 95-074



Picture is a representation of actual product.

## Approvals

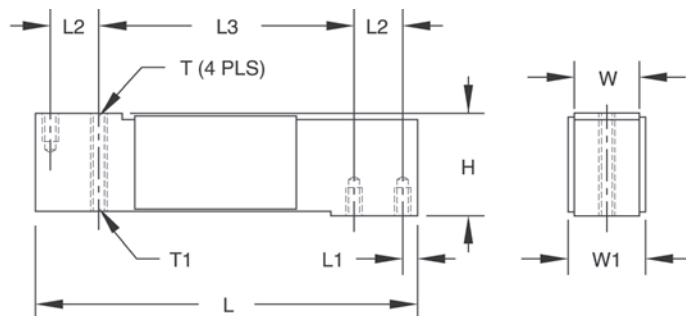


## Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 15 kg       | <b>17544</b> | 3 lb        | \$339.00 |
| 30 kg       | <b>17545</b> | 3 lb        | \$339.00 |
| 50 kg       | <b>17546</b> | 3 lb        | \$339.00 |
| 75 kg       | <b>17547</b> | 3 lb        | \$339.00 |
| 100 kg      | <b>17548</b> | 3 lb        | \$339.00 |
| 150 kg      | <b>36467</b> | 3 lb        | \$339.00 |

## Dimensions

| Rated Capacity | H    | L     | L1  | L2   | L3    | T                  | T1                 | W    | W1   |
|----------------|------|-------|-----|------|-------|--------------------|--------------------|------|------|
| kg/mm          |      |       |     |      |       |                    |                    |      |      |
| 15 to 150      | 40.0 | 150.0 | 6.0 | 19.1 | 100.0 | 1/4-20 UNC × 10 DP | 1/4-28 UNF × 10 DP | 25.4 | 29.4 |



## Interchangeable Products

VPG® TEDEA-HUNTLEIGH

**1140**..... page 328

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3) ohm, nominal

### Input Resistance:

415 (± 15) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range

0 ° F to 150 ° F (-18 ° C to 65 ° C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

200% at center loading point, full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

2,000 megohm

### Deflection at Capacity:

0.4 mm

### Cable Length:

10 ft

### Cable Diameter:

0.200 in PVC jacket

### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

### Max Platform Size:

15.75 × 15.75 in

### Warranty:

Two-year limited

### Approvals:

cFMus

SINGLE POINT  
**RL1380**

Stainless Steel, Environmentally Sealed, NTEP Certified 1:3,000 Class III Single Cell, IP67



Picture is a representation of actual product.

Approvals

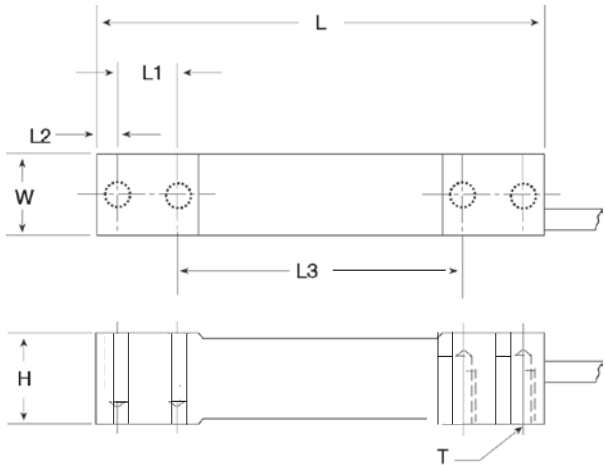


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 7 kg        | 30783  | 2 lb        | \$344.50 |
| 10 kg       | 30782  | 2 lb        | \$344.50 |
| 15 kg       | 30781  | 2 lb        | \$344.50 |
| 30 kg       | 30780  | 2 lb        | \$344.50 |
| 60 kg       | 30779  | 2 lb        | \$344.50 |

Dimensions

| Rated Capacity | W    | L     | L1   | L2  | L3   | T          | H    |
|----------------|------|-------|------|-----|------|------------|------|
| kg/mm          |      |       |      |     |      |            |      |
| 7 to 15        | 19.1 | 139.7 | 19.1 | 6.4 | 88.9 | 1/4-20 UNC | 30.2 |
| 30 to 60       | 23.9 | 139.7 | 19.1 | 6.4 | 88.9 | 1/4-20 UNC | 30.2 |



Interchangeable Products

HBK®  
PWS ..... page 243

Specifications

- Full Scale Output:**  
2.0mV/V
- Output Resistance:**  
359 (± 10) ohm
- Input Resistance:**  
390 (± 15) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.03% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
10 ft
- Cable Diameter:**  
0.190 in polyurethane jacket
- Deflection:**  
<0.4 mm full scale
- Max Platform Size:**  
15.75 × 15.75 in
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield
- Warranty:**  
Two-year limited
- Approvals:**  
FM  
NTEP 94-128



Picture is a representation of actual product.

## Approvals

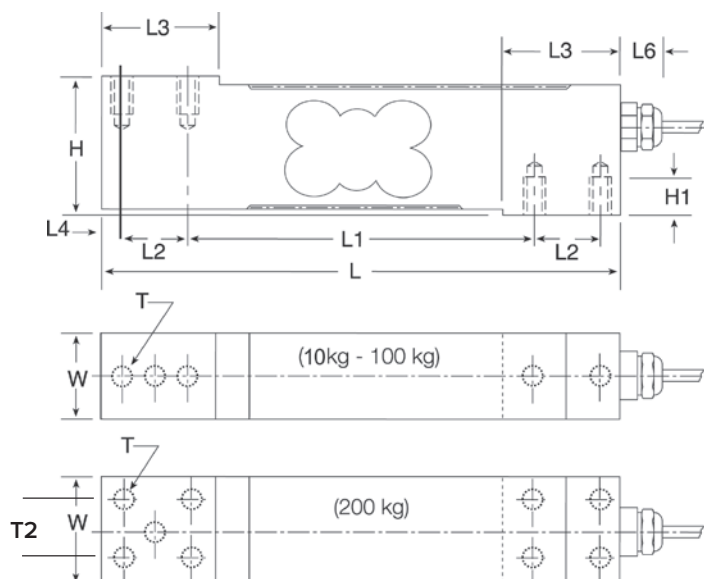


## Order Information

| Load Rating               | Part # | Est. Weight | Price    |
|---------------------------|--------|-------------|----------|
| <b>NTEP Certified</b>     |        |             |          |
| 10 kg                     | 41405  | 3 lb        | \$328.00 |
| 15 kg                     | 41233  | 3 lb        | \$328.00 |
| 30 kg                     | 41234  | 3 lb        | \$328.00 |
| 50 kg                     | 41235  | 3 lb        | \$328.00 |
| 75 kg                     | 41236  | 3 lb        | \$328.00 |
| <b>Non-NTEP Certified</b> |        |             |          |
| 100 kg                    | 41237  | 3 lb        | \$310.00 |
| 200 kg                    | 41406  | 4 lb        | \$477.00 |

## Dimensions

| Rated Capacity | H    | H1   | L     | L1    | L2   | L3   | L4  | L6   | W    | T                    | T2   |
|----------------|------|------|-------|-------|------|------|-----|------|------|----------------------|------|
| kg/mm          |      |      |       |       |      |      |     |      |      |                      |      |
| 10 to 100      | 40.0 | 10.0 | 150.0 | 100.0 | 19.0 | 32.0 | 6.0 | 20.0 | 25.4 | 1/4-20 UNC x 19.1 DP | N/A  |
| 200            | 40.0 | 10.0 | 150.0 | 100.0 | 19.0 | 32.0 | 6.0 | 20.0 | 38.1 | 1/4-20 UNC x 19.1 DP | 25.4 |



## Interchangeable Products

FLINTEC  
PC1..... page 228

## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
330 (± 25) ohm

**Input Resistance:**  
390 (± 20) ohm

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Environmentally sealed, IP67

**Safe Overload:**  
200% full scale

**Rated Excitation:**  
5 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohm

**Cable Length:**  
10 ft

**Cable Diameter:**  
0.196 in polyurethane jacket

**Max Platform Size:**  
18 × 18 in

**Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

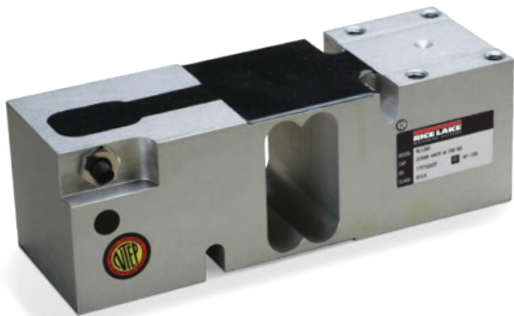
**Warranty:**  
Two-year limited

**Approvals:**  
FM  
NTEP 00-125



SINGLE POINT  
**RL1260**

Aluminum, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP67



Picture is a representation of actual product.

Approvals

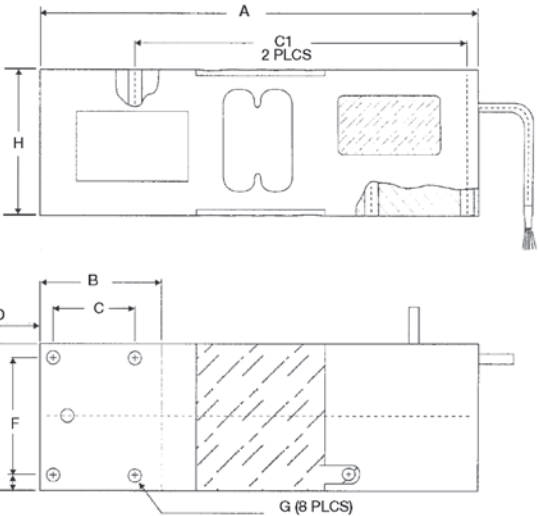


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 75 kg       | 41021  | 5 lb        | \$328.00 |
| 100 kg      | 41022  | 5 lb        | \$328.00 |
| 250 kg      | 41024  | 5 lb        | \$328.00 |
| 300 kg      | 41025  | 5 lb        | \$328.00 |
| 500 kg      | 41026  | 5 lb        | \$328.00 |
| 635 kg      | 41027  | 5 lb        | \$328.00 |

Dimensions

| Rated Capacity | A     | B    | C    | C1    | D   | E    | F    | G           | H    |
|----------------|-------|------|------|-------|-----|------|------|-------------|------|
| kg/mm          |       |      |      |       |     |      |      |             |      |
| 75 to 635      | 188.0 | 52.0 | 35.0 | 142.0 | 5.5 | 63.5 | 50.0 | 5/16-18 UNC | 62.3 |



Interchangeable Products

- RICE LAKE WEIGHING SYSTEMS  
**RLPWM16**..... page 172  
VPG® TEDEA-HUNTLEIGH  
**1260** ..... page 331

Specifications

- Full Scale Output:**  
2.0 mV/V
- Output Resistance:**  
350 (± 3) ohm
- Input Resistance:**  
415 (± 15) ohm
- Material/Finish:**  
Anodized aluminum
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% of full scale at center loading point
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
10 ft
- Cable Diameter:**  
0.220 in polyurethane jacket
- Max Platform Size:**  
24 × 24 in
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense
- Warranty:**  
Two-year limited
- Approvals:**  
cFMus  
NTEP 97-139

RICE LAKE  
LOAD CELLS



Picture is a representation of actual product.

## Approvals

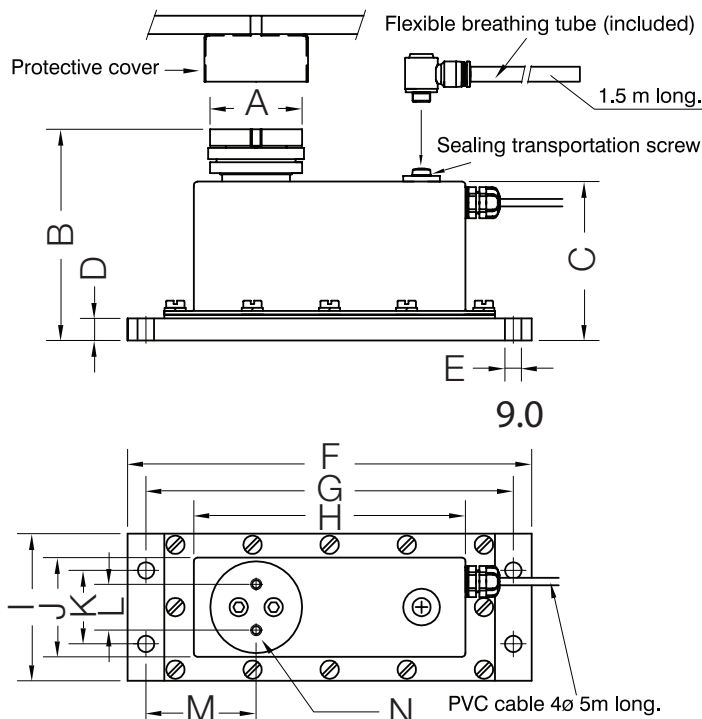


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 2 kg        | 194928 | 8 lb        | \$710.00 |
| 3 kg        | 199001 | 8 lb        | \$710.00 |
| 5 kg        | 194929 | 8 lb        | \$710.00 |
| 7 kg        | 194930 | 8 lb        | \$710.00 |
| 10 kg       | 194932 | 8 lb        | \$710.00 |
| 15 kg       | 194933 | 8 lb        | \$710.00 |
| 20 kg       | 194934 | 8 lb        | \$710.00 |
| 30 kg       | 194935 | 8 lb        | \$710.00 |
| 50 kg       | 194936 | 16 lb       | \$710.00 |

## Dimensions

| Rated Capacity | A      | B     | C    | D    | E   | F     | G     | H     | I    | J    | K    | L    | M    | N          |
|----------------|--------|-------|------|------|-----|-------|-------|-------|------|------|------|------|------|------------|
| kg/mm          |        |       |      |      |     |       |       |       |      |      |      |      |      |            |
| 2 to 50        | 50 dia | 115.0 | 86.5 | 12.0 | 9.0 | 220.0 | 200.0 | 148.0 | 80.0 | 54.0 | 40.0 | 25.0 | 60.0 | 1/4-20 UNC |



## Interchangeable Products

VPG® TEDEA-HUNTLEIGH

**240\*** .....page 337

\*5000d NTEP, 10ft cable

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3) ohm

### Input Resistance:

400 (± 20) ohm

### Material/Finish:

Stainless steel

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP68

### Safe Overload:

200% of full scale

### Rated Excitation:

5 to 10 VDC

### Combined Error:

0.017% full scale

### Insulation Resistance:

> 5,000 megohm

### Cable Length:

5 m

### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Yellow -Sense

### Warranty:

Two-year limited

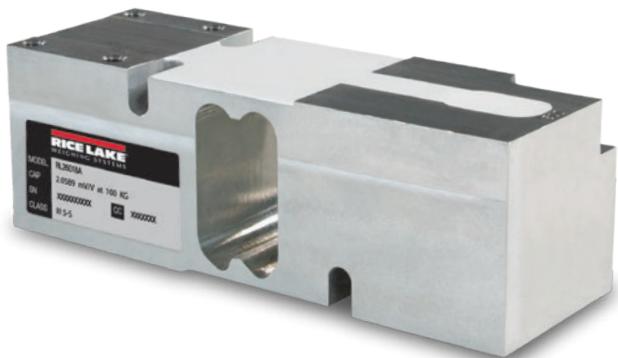
### Approvals:

NTEP 20-045

cFMus

SINGLE POINT  
**RL26018A**

Aluminum, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP67



Picture is a representation of actual product.

Approvals

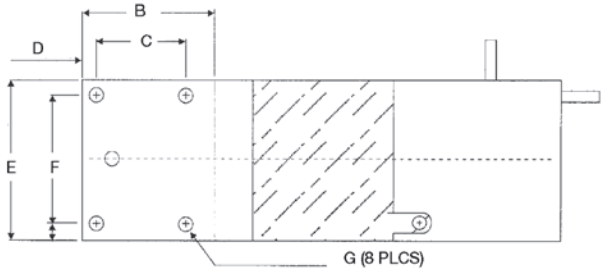
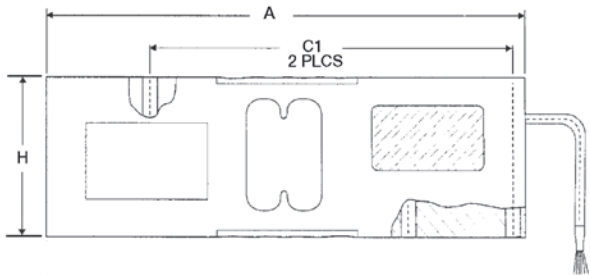


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 kg       | 188682 | 5 lb        | \$290.00 |
| 75 kg       | 188683 | 5 lb        | \$290.00 |
| 100 kg      | 188684 | 5 lb        | \$290.00 |
| 150 kg      | 188685 | 5 lb        | \$290.00 |
| 200 kg      | 188686 | 5 lb        | \$290.00 |
| 250 kg      | 188687 | 5 lb        | \$290.00 |
| 300 kg      | 188688 | 5 lb        | \$290.00 |
| 500 kg      | 188689 | 5 lb        | \$290.00 |
| 635 kg      | 188690 | 5 lb        | \$290.00 |

Dimensions

| Rated Capacity | A     | B    | C    | C1    | D   | E    | F    | G           | H    |
|----------------|-------|------|------|-------|-----|------|------|-------------|------|
| kg/mm          |       |      |      |       |     |      |      |             |      |
| 50 to 635      | 188.0 | 52.0 | 35.0 | 142.0 | 5.5 | 63.5 | 50.0 | 5/16-18 UNC | 62.3 |



Interchangeable Products

|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| RL1260 .....               | page 178 |
| RICE LAKE WEIGHING SYSTEMS |          |
| RLPWM16 .....              | page 172 |
| VPG® TEDEA-HUNTLEIGH®      |          |
| 1260 .....                 | page 331 |

Specifications

- Full Scale Output:**  
2.0 mV/V nominal
- Output Resistance:**  
350 (± 3) ohm
- Input Resistance:**  
415 (± 15) ohm
- Material/Finish:**  
Anodized aluminum
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% of full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Insulation Resistance:**  
>5,000 megohm
- Combined Error:**  
0.02% full scale
- Deflection:**  
0.3 to 0.5 mm
- Cable Length:**  
10 ft
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Yellow -Sense
- Warranty:**  
Two-year limited
- Approvals:**  
cFMus  
NTEP 18-108



Picture is a representation of actual product.

#### Approvals

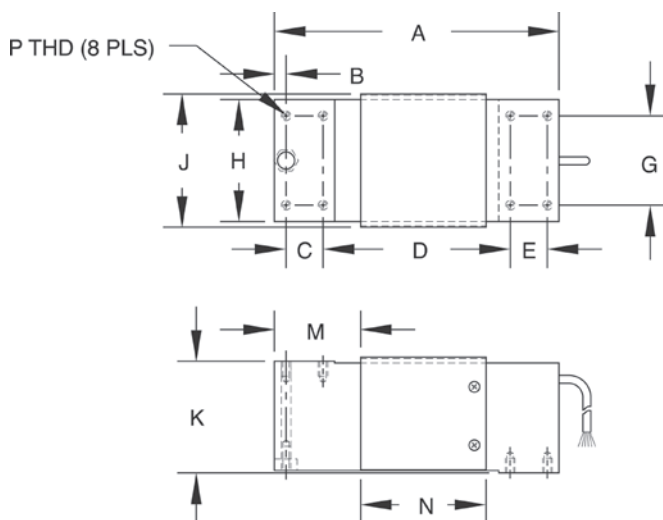


#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 kg       | 191096 | 5 lb        | \$328.00 |
| 75 kg       | 191097 | 5 lb        | \$328.00 |
| 100 kg      | 191098 | 5 lb        | \$328.00 |
| 150 kg      | 191099 | 5 lb        | \$328.00 |
| 200 kg      | 191100 | 5 lb        | \$328.00 |
| 250 kg      | 191101 | 5 lb        | \$328.00 |
| 300 kg      | 191102 | 5 lb        | \$328.00 |
| 500 kg      | 191103 | 5 lb        | \$328.00 |
| 635 kg      | 191104 | 5 lb        | \$328.00 |
| 1,000 kg    | 191105 | 5 lb        | \$328.00 |

#### Dimensions

| Rated Capacity | A     | B   | C    | D     | E    | G    | H    | J    | K    | M    | N    | P                      |
|----------------|-------|-----|------|-------|------|------|------|------|------|------|------|------------------------|
| kg/mm          |       |     |      |       |      |      |      |      |      |      |      |                        |
| 50 to 1,000    | 191.0 | 8.0 | 25.0 | 125.0 | 25.0 | 60.0 | 75.0 | 82.0 | 75.0 | 57.5 | 85.0 | 5/16-18 UNC<br>× 15 DP |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLPWM12**..... page 171

VPG® TEDEA-HUNTLEIGH®

**1250**..... page 334

#### Specifications

##### Full Scale Output:

2.0 mV/V nominal

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

415 (± 15) ohm

##### Material/Finish:

Anodized aluminum

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Rated Excitation:

5-10 VDC (15 V maximum)

##### Insulation Resistance:

>5,000 megohm

##### Combined Error:

0.02% full scale

##### Deflection:

0.4 mm

##### Max Platform Size:

50 to 500 kg: 800 × 800 mm

635 to 1,000 kg: 600 × 600 mm

##### Cable Length:

10 ft

##### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Yellow -Sense

##### Warranty:

Two-year limited

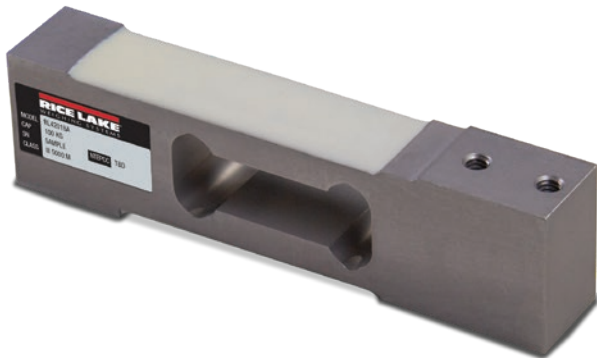
##### Approvals:

cFMus

NTEP 18-133

SINGLE POINT  
**RL42018A**

Aluminum, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP66



Picture is a representation of actual product.

Approvals

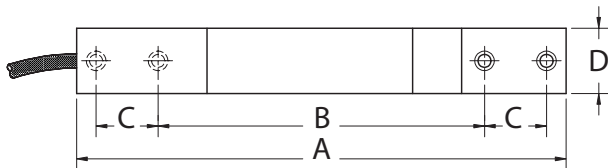
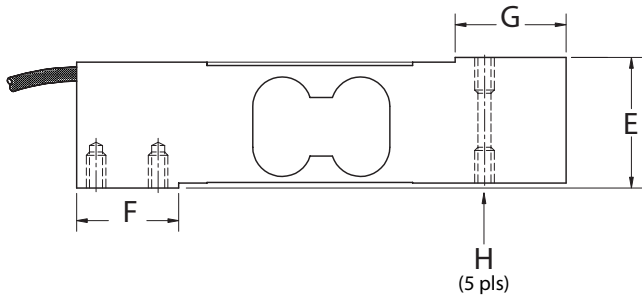


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 3 kg        | 188672 | 2 lb        | \$190.00 |
| 5 kg        | 188673 | 2 lb        | \$190.00 |
| 7 kg        | 188674 | 2 lb        | \$190.00 |
| 10 kg       | 188675 | 2 lb        | \$190.00 |
| 15 kg       | 188676 | 2 lb        | \$190.00 |
| 20 kg       | 188677 | 2 lb        | \$190.00 |
| 30 kg       | 188678 | 2 lb        | \$190.00 |
| 50 kg       | 188679 | 2 lb        | \$190.00 |
| 75 kg       | 188680 | 2 lb        | \$190.00 |
| 100 kg      | 188681 | 2 lb        | \$190.00 |

Dimensions

| Rated Capacity | A     | B     | C    | D    | E    | F    | G    | H          |
|----------------|-------|-------|------|------|------|------|------|------------|
| kg/mm          |       |       |      |      |      |      |      |            |
| 3 to 30        | 150.0 | 100.0 | 19.0 | 20.0 | 40.0 | 31.2 | 34.0 | 1/4-20 UNC |
| 50 to 100      | 150.0 | 100.0 | 19.0 | 25.4 | 40.0 | 31.2 | 34.0 | 1/4-20 UNC |



Interchangeable Products

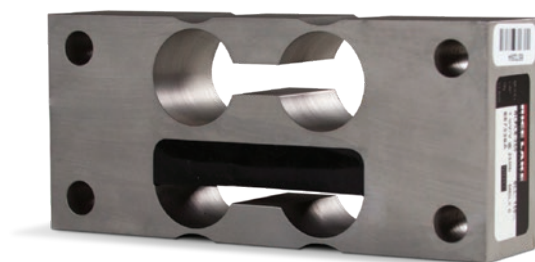
|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| RL1042.....                | page 173 |
| RICE LAKE WEIGHING SYSTEMS |          |
| RLSP4.....                 | page 170 |
| VPG® TEDEA-HUNTLEIGH®      |          |
| 1042.....                  | page 325 |
| HBK®                       |          |
| SP4M*.....                 | page 240 |

\*Color code is different

Specifications

|                               |   |
|-------------------------------|---|
| <b>Full Scale Output:</b>     | 2.0 mV/V ±10%   |
| <b>Output Resistance:</b>     | 350 (± 3) ohm   |
| <b>Input Resistance:</b>      | 400 (± 20) ohm  |
| <b>Material/Finish:</b>       | Aluminum  |
| <b>Temperature:</b>           | Compensated range<br>14 °F to 104 °F/-10 °C to 40 °C<br>Operating range<br>0 °F to 150 °F/-18 °C to 65 °C |
| <b>Seal Type:</b>             | Environmentally sealed, IP66  |
| <b>Safe Overload:</b>         | 150% of full scale at center loading point  |
| <b>Rated Excitation:</b>      | 10 VDC  |
| <b>Combined Error:</b>        | 0.02% full scale  |
| <b>Insulation Resistance:</b> | >5,000 megohm   |
| <b>Deflection:</b>            | 0.3 to 0.5 mm   |
| <b>Cable Length:</b>          | 10 ft   |
| <b>Cable Color Code:</b>      | Green +Excitation<br>Black -Excitation<br>Red +Signal<br>White -Signal<br>Blue +Sense<br>Yellow -Sense    |
| <b>Platform Size:</b>         | 15.75 × 15.75 in max  |
| <b>Warranty:</b>              | Two-year limited  |
| <b>Approvals:</b>             | cFMus<br>NTEP 18-105  |

RICE LAKE  
LOAD CELLS



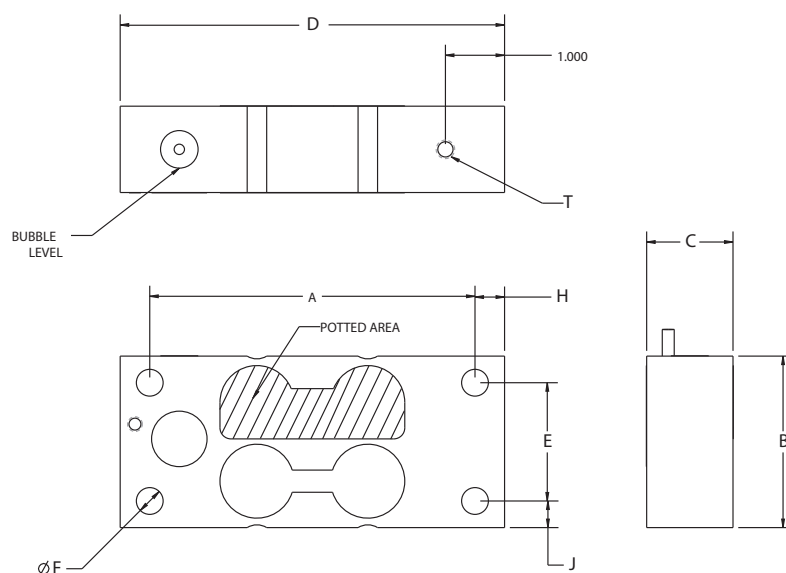
Picture is a representation of actual product.

## Order Information

| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 50 lb       | <b>125612</b> | 3 lb        | \$650.00 |
| 75 lb       | <b>125613</b> | 3 lb        | \$650.00 |

## Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | H    | J    | T                  |
|----------------|------|------|------|------|------|------|------|------|--------------------|
| lb/in          |      |      |      |      |      |      |      |      |                    |
| 50 to 75       | 5.50 | 2.90 | 0.74 | 6.50 | 2.00 | 0.50 | 0.50 | 0.45 | 5/16-18 UNC x 0.50 |



## Interchangeable Products

AVERY WEIGH-TRONIX®  
**FLS**

## Specifications

### Full Scale Output:

1.0 (± 10%) mV/V

### Output Resistance:

350 (± 3) ohm

### Input Resistance:

385 (± 10) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 15 VDC

### Hysteresis:

0.02% full scale

### Non-Linearity:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

10 ft

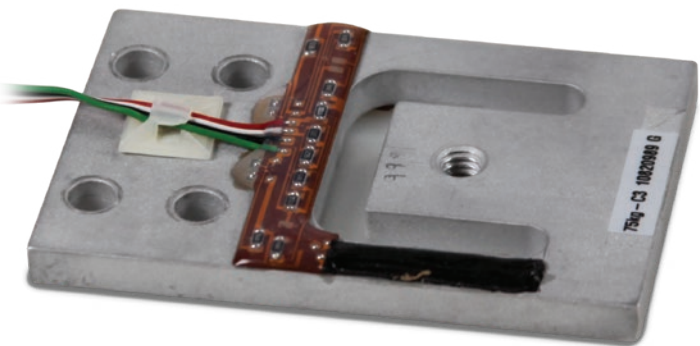
### Cable Color Code:

Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal

### Warranty:

Two-year limited





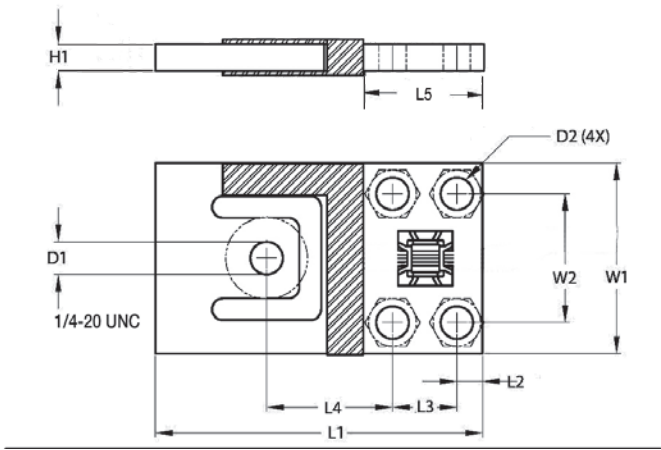
Picture is a representation of actual product.

Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 15 kg       | 100272 | 1 lb        | \$87.00  |
| 37.5 kg     | 104645 | 1 lb        | \$92.00  |
| 75 kg       | 100273 | 1 lb        | \$97.00  |
| 150 kg      | 100274 | 1 lb        | \$102.00 |

Dimensions

| Rated Capacity | L1    | L2  | L3   | L4   | L5   | W1   | W2   | H1  | D1  | D2  |
|----------------|-------|-----|------|------|------|------|------|-----|-----|-----|
| kg/mm          |       |     |      |      |      |      |      |     |     |     |
| 15             | 70.0  | 4.9 | 14.0 | 28.0 | 23.7 | 39.0 | 27.8 | 4.1 | 7.6 | 5.1 |
| 37.5           | 76.2  | 6.0 | 15.0 | 29.3 | 27.0 | 44.5 | 30.0 | 4.8 | 7.6 | 6.6 |
| 75             | 84.4  | 6.4 | 15.0 | 34.0 | 27.7 | 54.8 | 30.0 | 6.4 | 7.6 | 6.6 |
| 150            | 107.3 | 7.8 | 22.9 | 45.9 | 38.4 | 69.9 | 44.5 | 7.9 | 9.1 | 8.1 |



Interchangeable Products

FLINTEC™  
PB ..... page 234

Specifications

- Full Scale Output:**  
1.0 mV/V
- Output Resistance:**  
1,000 (± 10) ohm
- Input Resistance:**  
1,180 (± 50) ohm
- Material/Finish:**  
Aluminum
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP65
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 15 VDC
- Combined Error:**  
0.05% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
15 kg: 1.0 m  
37.5 kg, 75 kg, 150 kg: 1.5 m
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal
- Warranty:**  
Two-year limited



Picture is a representation of actual product.

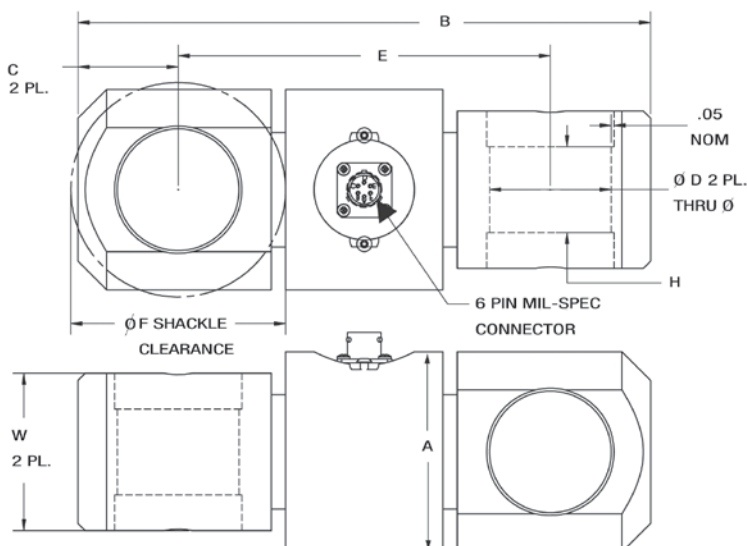
## Order Information

| Load Rating              | Part # | Est. Weight | Price      |
|--------------------------|--------|-------------|------------|
| 5,000 lb                 | 117731 | 5 lb        | \$1,430.00 |
| 10,000 lb                | 117732 | 5 lb        | \$1,430.00 |
| 25,000 lb                | 117733 | 8 lb        | \$1,690.00 |
| 50,000 lb                | 117735 | 34 lb       | \$2,915.00 |
| 75,000 lb                | 117736 | 34 lb       | \$2,915.00 |
| 100,000 lb               | 117737 | 56 lb       | \$3,127.00 |
| 150,000 lb               | 117738 | 56 lb       | \$3,127.00 |
| 200,000 lb               | 117739 | 95 lb       | \$5,565.00 |
| 250,000 lb               | 117740 | 117 lb      | \$5,989.00 |
| 300,000 lb               | 117741 | 191 lb      | \$8,427.00 |
| 500,000 lb               | 117742 | 191 lb      | \$8,427.00 |
| <b>Replacement Parts</b> |        |             |            |
| 40 ft load cell cable    | 187132 |             | \$175.00   |

NOTE: Consult factory for shackles

## Dimensions

| Rated Capacity     | A    | B     | C    | ØD   | E     | ØF   | W    | H    |
|--------------------|------|-------|------|------|-------|------|------|------|
| lb/in              |      |       |      |      |       |      |      |      |
| 5,000 to 10,000    | 2.00 | 6.50  | 1.00 | 1.05 | 4.50  | 2.38 | 1.37 | 0.75 |
| 25,000             | 2.75 | 8.00  | 1.38 | 1.55 | 5.25  | 2.88 | 2.00 | 1.00 |
| 50,000 to 75,000   | 3.25 | 14.00 | 2.50 | 2.31 | 9.00  | 5.00 | 3.00 | 1.75 |
| 100,000 to 150,000 | 4.00 | 16.00 | 2.88 | 2.88 | 10.25 | 6.25 | 4.00 | 2.00 |
| 200,000            | 6.00 | 18.00 | 3.25 | 3.38 | 11.50 | 6.50 | 4.75 | 2.38 |
| 250,000            | 6.50 | 20.00 | 3.75 | 3.88 | 12.50 | 7.50 | 5.00 | 2.75 |
| 300,000 to 500,000 | 7.50 | 24.00 | 4.50 | 4.31 | 15.00 | 9.50 | 5.40 | 3.00 |



## Specifications

### Full Scale Output:

3.0 (± 0.1%) mV/V

### Bridge Resistance:

350 ohm, nominal

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Linearity:

0.05% full scale

### Repeatability:

0.03% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

40 ft

### Cable Diameter:

0.25 in  
Polyurethane jacket with connector

### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal

### Warranty:

Two-year limited



## Standard Features

- Designed and manufactured to each integrated solution. Machined from 17-4 stainless steel for safety, strength and corrosion resistance.
- (Contact MSI for application consultation)

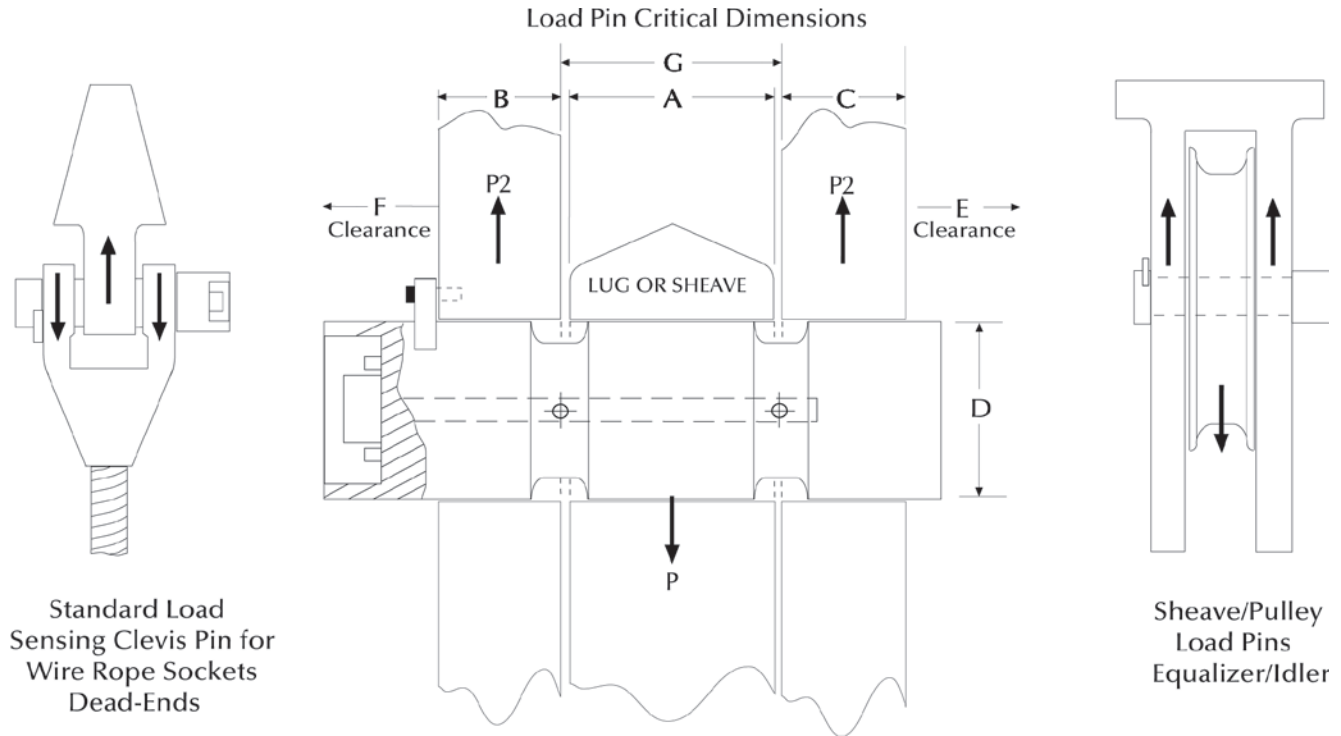
A key component for MSI's integrated overhead weighing solutions is the Load Pin Sensor. Typically designed and manufactured specifically to each integrated solution, the MSI load pin is strictly industrial grade. Each load pin design is precision machined from 17-4 stainless steel for safety, strength and corrosion resistance.

Each strain gauge location is precisely calculated and correctly placed in the optimum concentrated stress area of each installation. This MSI applied engineering process ensures the most efficient and accurate performance for each specific installation.

MSI load pin designs apply only internally mounted strain gauges for complete protection from the outside environment.

To receive a quotation for a load pin sensor to meet your application requirements, complete the load pin questionnaire also on the next page or online at [www.ricelake.com](http://www.ricelake.com), or contact an MSI overhead weighing specialist for further application assistance.

# MSI Load Pin Questionnaire



| Load Pin Data  |  |
|--|--|
| A=Width  | _____ Inch   |
| B=Width  | _____ Inch   |
| C=Width  | _____ Inch   |
| D=Pin Diameter   | _____ Inch   |
| E=Clearance  | _____ Inch   |
| F=Clearance  | _____ Inch   |
| G=Width  | _____ Inch   |
| Lube Port  | <input type="checkbox"/> No <input type="checkbox"/> Yes _____ # of exits  |
| Hoist Capacity   | _____ Tons   |
| Parts of Wire Rope   | _____  |
| Sensor Capacity  | _____ Tons   |
| Factor of Safety   | <input type="checkbox"/> 3:1 <input type="checkbox"/> 5:1 <input type="checkbox"/> 7:1 <input type="checkbox"/> 10:1 |
| Application  | _____  |
| Accuracy Requirement                                       | _____  |
| Temperature Requirement                                    | _____  |
| Required Output  | _____  |
| Material Testing Requirement                               | _____  |
| Load Vector Orientation/Alignment                          | <input type="checkbox"/> ← <input type="checkbox"/> → <input type="checkbox"/> ↘ <input type="checkbox"/> ↗          |
| Name   | _____  |
| Company  | _____  |
| Phone  | _____  |
| Note: Minimum clearance between "A" and "G" = 0.0625 inch. |  |

| Cable Connections                |  |
|----------------------------------|--|
| End-Mounted Cable                |  |
| End-Mounted Connector (standard) |  |
| Side-Mounted Cable               |  |
| Side-Mounted Connector           |  |
| Recessed Connector               |  |
| Sensor's Cable Length _____ Feet |  |
| Comments _____                   |  |
| _____                            |  |

RICE LAKE  
LOAD CELLS

**RICE LAKE**  
WEIGHING SYSTEMS

230 W. Coleman St. • Rice Lake, WI 54868 • USA  
TEL: 800-874-4320 • FAX: 206-244-8470 • [www.ricelake.com/msi](http://www.ricelake.com/msi)

An ISO 9001 registered company © 2019 Rice Lake Weighing Systems PN 154086 10/19  
Specifications subject to change without notice.

# MSI Tension Link Load Cell



## Standard Features

- Integrates between a crane block and lifting equipment to provide force measurement for lifted items. This ideal integration for cranes features a 7:1 safety factor for compliance with industrial and military safety requirements.

## Options

(Contact MSI for application consultation)

- Crosby® top and bottom shackles

## Specifications

### Input Resistance:

1,500 ohm

### Output Resistance:

2,000 ohm

### Full Scale Output:

0.8 mV/V

### Connector Pin Out:

A: EX +

B: Sig +

C: Sig -

D: EX -

### Accuracy:

0.1% sensor accuracy

### Material:

4340 steel

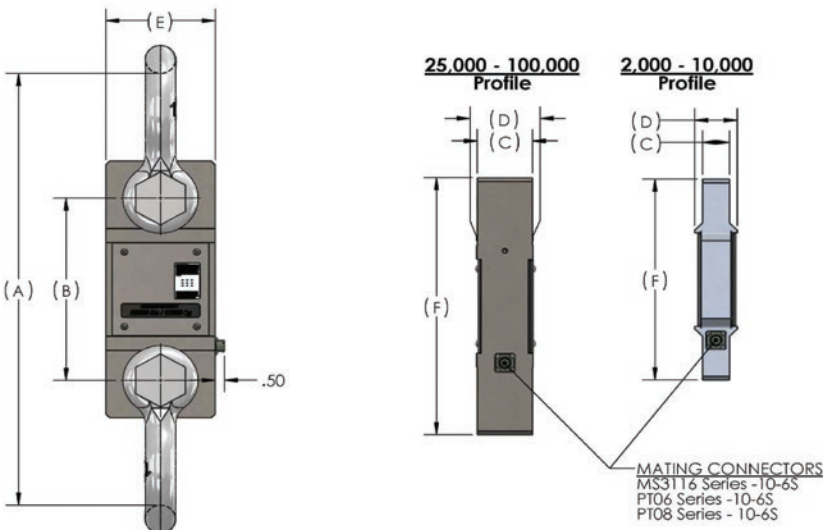
## Part Number/Price

| Part # | Description                    | Price    |
|--------|--------------------------------|----------|
| 181907 | 2K 7200 style load cell only   | Consult  |
| 181908 | 5K 7200 style load cell only   | Consult  |
| 181909 | 10K 7200 style load cell only  | Consult  |
| 178093 | 25K 7200 style load cell only  | Consult  |
| 178094 | 50K 7200 style load cell only  | Consult  |
| 181910 | 100K 7200 style load cell only | Consult  |
| 134505 | Mating cable assembly, 10 ft   | \$175.00 |

Contact factory for higher capacities

## Dimensions

| Capacity (lbs) | P/N    | Load Cell Material | (A) Headroom Loss | (B) C-C Length | (C) Lug Thk | (D) Body Thk | (E) Body Width | (F) Body Length | Lug Hole | Crosby Shackle |
|----------------|--------|--------------------|-------------------|----------------|-------------|--------------|----------------|-----------------|----------|----------------|
| 2,000          | 181907 | Aluminum           | 13.50 in          | 8.00 in        | 0.99 in     | 2.13 in      | 4.50 in        | 9.75 in         | 0.78 in  | 3-1/4 T 151357 |
| 5,000          | 181908 | Aluminum           | 13.50 in          | 8.00 in        | 0.99 in     | 2.13 in      | 4.50 in        | 9.75 in         | 0.78 in  | 3-1/7 T 151357 |
| 10,000         | 181909 | Aluminum           | 16.13 in          | 8.50 in        | 1.35 in     | 2.13 in      | 5.37 in        | 10.75 in        | 1.05 in  | 6-1/2 T 151355 |
| 25,000         | 178093 | Steel              | 22.39 in          | 9.26 in        | 2.24 in     | 2.24 in      | 4.80 in        | 12.76 in        | 1.67 in  | 17 T 141992    |
| 50,000         | 178094 | Steel              | 25.74 in          | 9.76 in        | 2.74 in     | 2.81 in      | 5.43 in        | 13.76 in        | 2.05 in  | 25 T 151356    |
| 100,000        | 181910 | Steel              | 28.49 in          | 10.74 in       | 3.09 in     | 3.09 in      | 6.86 in        | 15.74 in        | 2.30 in  | 55 T 146336    |



# MSI Clamp-On Load Cell



## Standard Features

- A durable solution for measuring wire rope tension and preventing overloads for cranes and hoists. Available in two envelopes for accommodating the most common wire ropes. Weight-based set-points can provide the operator alerts and safety shut-offs based on unsafe load conditions.

## Options

(Contact MSI for application consultation)

- Custom sizes available on request
- Pair with an SCT transmitter for basic safety functions

## Specifications

**System Accuracy of Calibrated Capacity:**  
3 to 5%

**Material:**  
4340 steel, zinc plated

**Output Resistance:**  
350 ohm

**IP Rating:**  
IP68

**Cable Color Code:**  
Red +Excitation  
Black –Excitation  
Green +Signal  
White –Signal

**Cable Length:**  
20 ft integral cable with blunt end termination

## Part Number/Price

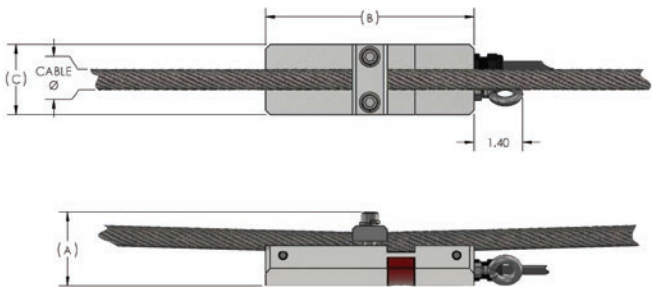
| Part # | Description  | Price      |
|--------|--|------------|
| 179080 | Load Cell Assembly Clamp-On for 3/8 to 1/2 in wire rope  | \$750.00   |
| 179082 | Load Cell Assembly Clamp-On for 9/16 to 3/4 in wire rope | \$890.00   |
| 188816 | Kit with SCT-2200 for 3/8 to 1/2 in wire rope            | \$1,330.00 |
| 188817 | Kit with SCT-2200 for 9/16 to 3/4 in wire rope           | \$1,470.00 |

Larger diameter clamp ons available - call for pricing

## Dimensions

| Cable Range | Part # | A            | B    | C    |
|-------------|--------|--------------|------|------|
| 3/8 to 1/2  | 179080 | Cable + 1.70 | 6.00 | 2.00 |
| 9/16 to 3/4 | 179082 | Cable + 1.67 | 6.00 | 2.00 |

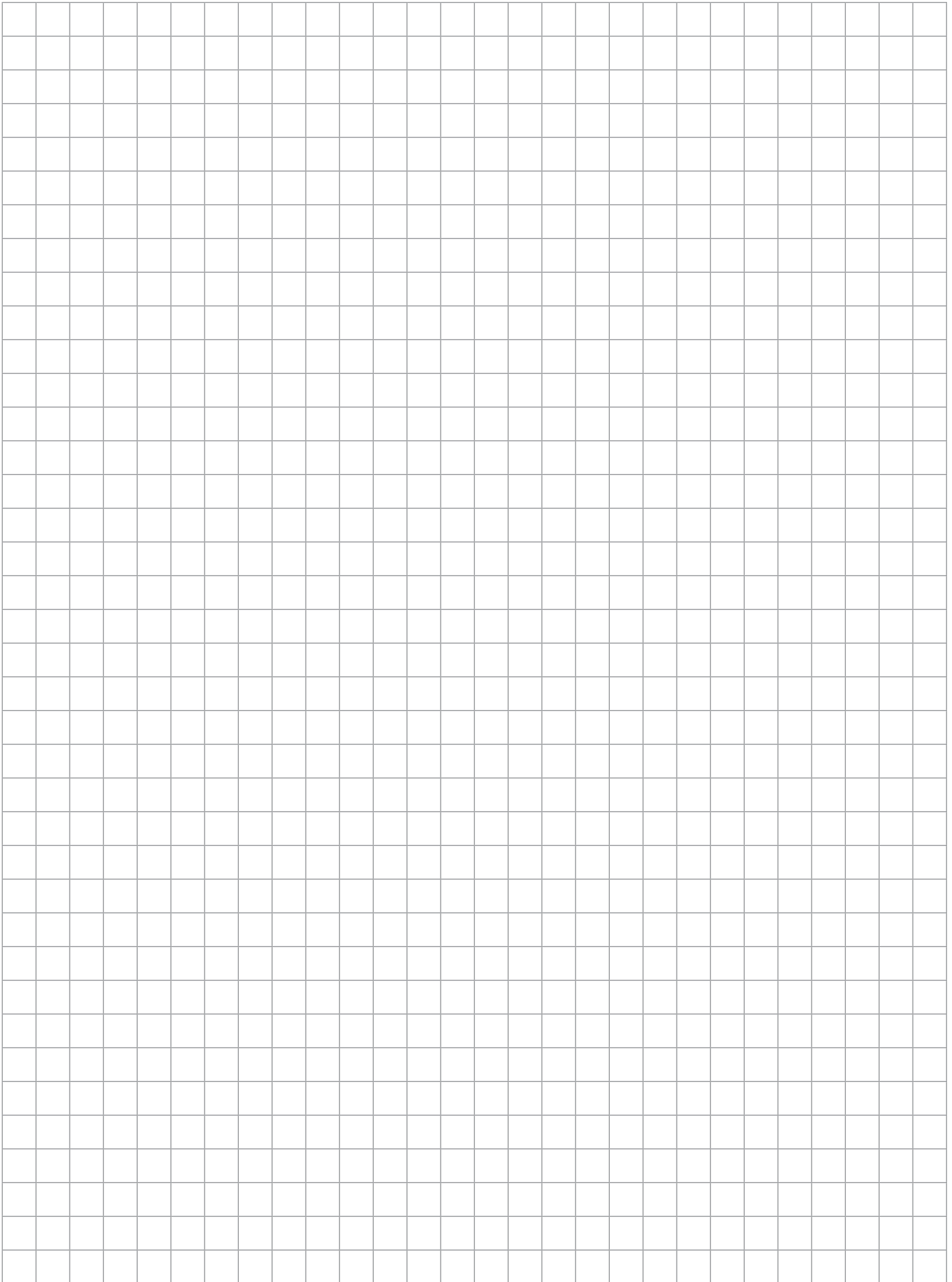
\*8mm cable can be used with PN 179080



Optional SCT-2200 transmitter

RICE LAKE  
LOAD CELLS





### COMPRESSION CANISTERS

Page 192

#### C2P1, ALLOY STEEL



Single-column design with low deflection and trouble-free operation. High alloy steel and epoxy coated for use in harsh environments. Compact and rugged. NTEP Certified capacities range from 20,000 to 200,000 lb; non-NTEP Certified capacity of 300,000 lb. Complete with 10 or 35 ft of load cell cable.



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#### C3P1, ALLOY STEEL



Environmentally -protected, single-column design provides low deflection and trouble-free operation. Compact and rugged high-alloy steel. Epoxy coated for corrosion resistance. Capacities range from 500 lb to 10,000 lb. Complete with 35 ft of load cell cable.



### TENSION CANISTERS

Page 194

#### T2P1, ALLOY STEEL



Single-column, environmentally protected design provides low deflection and trouble-free operation. High-alloy steel and epoxy coated construction yields trouble-free performance in harsh environments. Designed for high-capacity tension applications. Capacities of 20,000 and 50,000 lb. Complete with 35 ft of load cell cable.



Page 195

#### T3P1, ALLOY STEEL



Features low deflection and trouble-free operation. Single-column, environmentally -protected design with high-alloy steel and epoxy -coated construction for optimal performance in harsh environments. Designed for high-capacity tension operations. Capacities of 20,000 lb and 50,000 lb. Complete with 35 ft of load cell cable.





Picture is a representation of actual product.

### Approvals

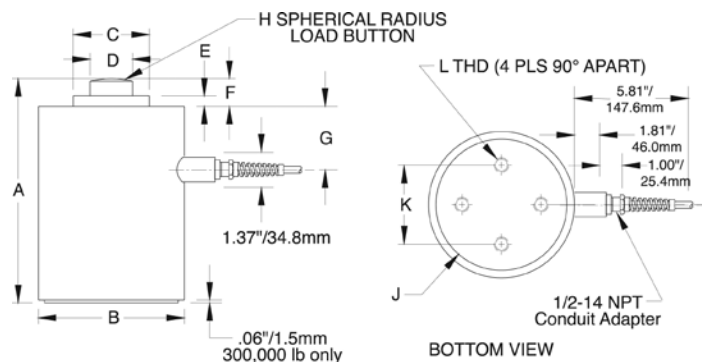


### Order Information

| Load Rating                             | Part #       | Est. Weight | Price      |
|---|--------------|-------------|------------|
| <b>NTEP Certified, 10 ft Cables</b>     |              |             |            |
| 20,000 lb                               | <b>21625</b> | 25 lb       | \$3,595.00 |
| 50,000 lb                               | <b>21626</b> | 25 lb       | \$3,495.00 |
| 100,000 lb                              | <b>21627</b> | 50 lb       | \$3,695.00 |
| 200,000 lb                              | <b>21628</b> | 110 lb      | \$3,995.00 |
| <b>NTEP Certified, 35 ft Cables</b>     |              |             |            |
| 20,000 lb                               | <b>21630</b> | 25 lb       | \$3,695.00 |
| 50,000 lb                               | <b>21632</b> | 25 lb       | \$3,595.00 |
| 100,000 lb                              | <b>21633</b> | 50 lb       | \$3,795.00 |
| 200,000 lb                              | <b>21634</b> | 110 lb      | \$4,195.00 |
| <b>Non-NTEP Certified, 10 ft Cables</b> |              |             |            |
| 300,000 lb                              | <b>17670</b> | 180 lb      | \$8,095.00 |
| <b>Non-NTEP Certified, 35 ft Cables</b> |              |             |            |
| 300,000 lb                              | <b>17671</b> | 190 lb      | \$8,195.00 |

### Dimensions

| Rated Capacity   | A     | B     | C    | D    | E    | F    | G    | H     | J    | K    | L                        |
|------------------|-------|-------|------|------|------|------|------|-------|------|------|--------------------------|
| lb/in            |       |       |      |      |      |      |      |       |      |      |                          |
| 20,000 to 50,000 | 7.50  | 4.50  | 2.25 | 1.25 | 0.50 | 0.75 | 2.50 | 6.00  | —    | 2.38 | 3/8-24 UNF<br>× 3/8 DP   |
| 100,000          | 9.13  | 6.00  | 3.13 | 1.75 | 0.63 | 1.06 | 2.50 | 12.00 | —    | 4.00 | 1/2-20 UNF<br>× 3/4 DP   |
| 200,000          | 11.63 | 8.00  | 4.50 | 2.50 | 0.63 | 1.06 | 3.50 | 12.00 | —    | 5.50 | 5/8-18 UNF<br>× 1 DP     |
| 300,000          | 14.00 | 10.00 | 5.00 | 3.00 | 0.75 | 1.31 | 4.31 | 15.00 | 8.00 | 5.50 | 3/4-16 UNF<br>× 1 1/4 DP |



### Interchangeable Products

FAIRBANKS®

**3-38065-X, 3-38066-X**

STREETER RICHARDSON®

**2011611, 2011612**

STREETER RICHARDSON

**2011613, 2011614,  
2011617**

METTLER TOLEDO®

**10049200A, 10014900A**

METTLER TOLEDO

**10011900A, 10049300A**

### Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**

350 (± 3.5) ohm

**Input Resistance:**

350 (± 3.5) ohm

**Material/Finish:**

High-alloy steel, epoxy coated

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

NEMA Type 6 Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Rated Excitation:**

5 to 10 VDC (20 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohm

**Deflection at Capacity:**

20,000 lb: 0.0075 in

30,000 lb: 0.0075 in

50,000 lb: 0.0065 in

100,000 lb: 0.0075 in

200,000 lb: 0.0070 in

300,000 lb: 0.012 in

**Cable Length:**

10 ft

35 ft

**Cable Color Code:**

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

**Warranty:**

Three-year limited

**Approvals:**

NTEP

FM



Picture is a representation of actual product.

### Approvals



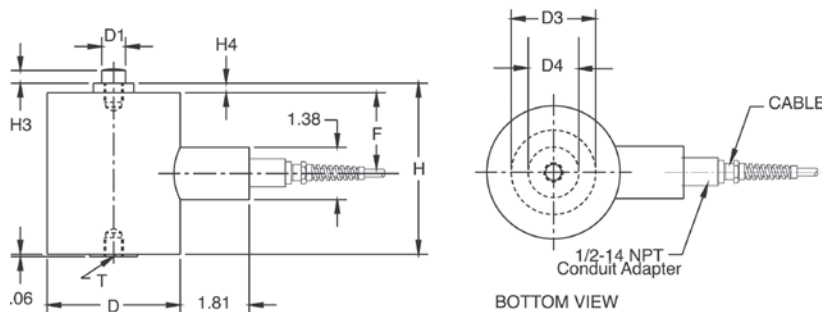
### Order Information

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 500 lb      | <b>17672</b> | 10 lb       | \$3,595.00 |
| 1,000 lb    | <b>17673</b> | 10 lb       | \$3,595.00 |
| 2,000 lb    | <b>17674</b> | 10 lb       | \$3,595.00 |
| 3,000 lb    | <b>17675</b> | 10 lb       | \$3,595.00 |
| 5,000 lb    | <b>17676</b> | 15 lb       | \$3,695.00 |
| 10,000 lb   | <b>17677</b> | 15 lb       | \$3,695.00 |

### Dimensions

| Rated Capacity  | D    | D1   | D3   | D4   | F    | H    | H3   | H4   | L    | T                    |
|-----------------|------|------|------|------|------|------|------|------|------|----------------------|
| lb/in           |      |      |      |      |      |      |      |      |      |                      |
| 500 to 3,000    | 3.50 | 0.62 | 1.25 | —    | 2.25 | 4.56 | 0.38 | 0.25 | —    | 1/2-20 UNF × 0.50 DP |
| 5,000 to 10,000 | 3.50 | 1.06 | 2.50 | 1.75 | 2.66 | 5.94 | 0.62 | 0.38 | 0.50 | 1-14 UNS × 1.25 DP   |

HOLES CAN BE DRILLED WITHIN THIS AREA TO RECEIVE LOCKING SCREWS. MAX. DEPTH OF HOLES IS "L" DIM.



### Interchangeable Products

FAIRBANKS®

**3-38054-X**

METTLER TOLEDO®

**1004400A, KN713700**

METTLER TOLEDO

**KB200570, 10049100A**

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

350 (± 3.5) ohm

#### Input Resistance:

350 (± 3.5) ohm

#### Material/Finish:

High-alloy steel, epoxy coated

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

NEMA Type 6 Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VDC (20 V maximum)

#### Nonlinearity:

0.05% full scale

#### Hysteresis:

500 lb: 0.05% full scale  
1,000 to 10,000 lb: 0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

500 lb: 0.007 in  
1,000 lb: 0.006 in  
2,000 lb: 0.005 in  
3,000 lb: 0.005 in  
5,000 lb: 0.007 in  
10,000 lb: 0.005 in

#### Cable Length:

35 ft

#### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

#### Warranty:

Three-year limited

#### Approvals:

FM



Picture is a representation of actual product.

Approvals

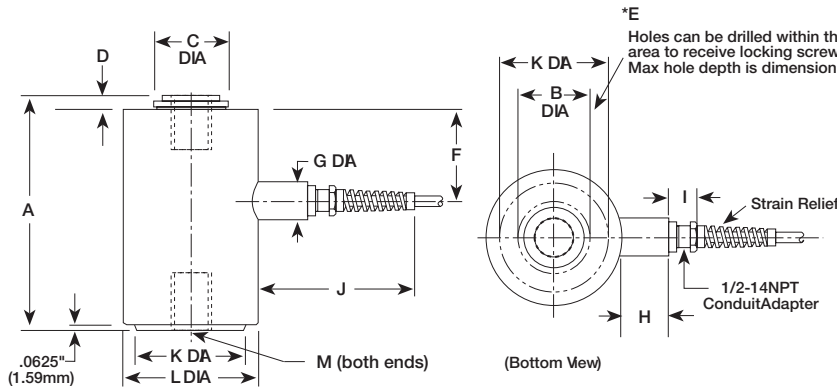


Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 20,000 lb   | 17660  | 30 lb       | \$3,695.00 |
| 50,000 lb   | 17661  | 65 lb       | \$3,895.00 |

Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F    | G    | H    | I    | J    | K    | L    | M                   |
|----------------|-------|------|------|------|------|------|------|------|------|------|------|------|---------------------|
| lb/in          |       |      |      |      |      |      |      |      |      |      |      |      |                     |
| 20,000         | 8.50  | 2.63 | 2.75 | 0.50 | 1.00 | 3.38 | 1.38 | 1.81 | 1.00 | 5.81 | 4.00 | 5.00 | 1 1/2-12 UNF × 2 DP |
| 50,000         | 11.44 | 3.75 | 4.00 | 0.63 | 1.00 | 5.00 | 1.38 | 1.81 | 1.00 | 5.81 | 5.75 | 6.50 | 2-12 UNF × 2.63 DP  |



Interchangeable Products

FAIRBANKS®

657090, 657091

STREETER RICHARDSON®

2011711, 2011712

Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**

350 (± 3.5) ohm

**Input Resistance:**

350 (± 3.5) ohm

**Material/Finish:**

High-alloy steel, epoxy coated

**Temperature:**

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Rated Excitation:**

5 to 10 V AC/DC (20 V maximum)

**Combined Error:**

±0.03% full scale

**Repeatability:**

0.02% full scale

**Insulation Resistance:**

5,000 megohm

**Deflection at Capacity:**

20,000 lb: 0.0075 in

50,000 lb: 0.0100 in

**Cable Length:**

35 ft

**Cable Color Code:**

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

**Warranty:**

Three-year limited

**Approvals:**

FM



Picture is a representation of actual product.

### Approvals

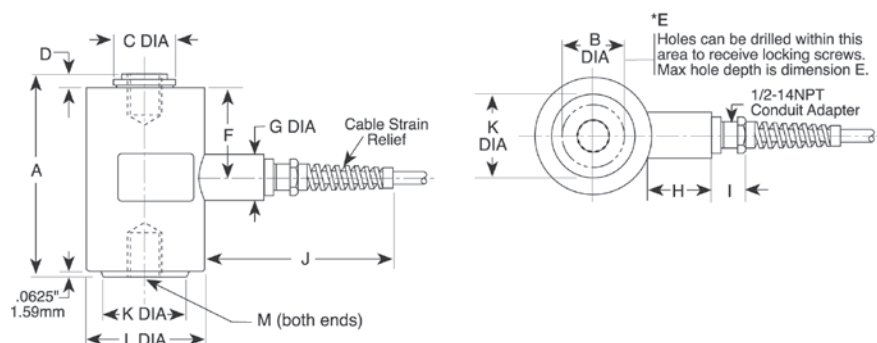


### Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 500 lb      | 17654  | 10 lb       | \$3,595.00 |
| 1,000 lb    | 17655  | 10 lb       | \$3,595.00 |
| 2,000 lb    | 17656  | 10 lb       | \$3,595.00 |
| 3,000 lb    | 17657  | 10 lb       | \$3,595.00 |
| 5,000 lb    | 17658  | 15 lb       | \$3,695.00 |
| 10,000 lb   | 17659  | 15 lb       | \$3,695.00 |

### Dimensions

| Rated Capacity  | A    | B    | C    | D    | E    | F    | G    | H    | I    | J    | K    | L    | M                   |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------|
| lb/in           |      |      |      |      |      |      |      |      |      |      |      |      |                     |
| 500 to 3,000    | 4.56 | —    | 1.06 | 0.25 | —    | 2.25 | 1.38 | 1.81 | 1.00 | 5.81 | 1.25 | 3.50 | 1/2-20 UNF × 0.5 DP |
| 5,000 to 10,000 | 5.93 | 1.75 | 1.87 | 0.38 | 0.50 | 2.66 | 1.38 | 1.81 | 1.00 | 5.81 | 2.50 | 3.50 | 1-14 UNS × 1.25 DP  |



### Interchangeable Products

FAIRBANKS®

3-39897-X, 3-40766-X

STREETER RICHARDSON®

20117XX

METTLER TOLEDO®

10048X00A, KN75066

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

350 ohm (+/- 3.5)

#### Input Resistance:

350 ohm (+/- 3.5)

#### Material/Finish:

High-alloy steel, epoxy coated

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 V AC/DC (20 V maximum)

#### Nonlinearity:

0.05% full scale

#### Hysteresis:

500 lb: 0.05% full scale  
1,000 to 10,000 lb: 0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

500 lb: 0.007 in  
1,000 lb: 0.006 in  
2,000 lb: 0.005 in  
3,000 lb: 0.005 in  
5,000 lb: 0.007 in  
10,000 lb: 0.005 in

#### Cable Length:

35 ft

#### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

#### Warranty:

Three-year limited

#### Approvals:

FM



**VP6 BLH**

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

### S-BEAMS

#### Page 199

#### STC, LOW-CAPACITY, ALLOY STEEL



Ideally suited for batching and filling, conveyor and hopper/tank weighing. Nickel plated, high-alloy steel construction. Capacities range from 50 to 200 lb. Complete with 20 ft of load cell cable.



#### Page 200

#### STC, ALLOY STEEL



Ideally suited for batching, filling and hopper/tank weighing. Nickel plated, alloy steel construction. Capacities range from 250 to 40,000 lb. Complete with 20 ft of load cell cable.



#### Page 201

#### STC SS, STAINLESS STEEL



The VPG Celtron STC has been a popular industry s-beam for some time, and for the first time is available in a stainless steel version. This high-quality product is ideal for tension applications and provides the additional protection of being manufactured from stainless steel. Capacities range from 250 to 10,000 lb. Each unit is provided with a standard 20 ft of load cell cable.



#### Page 202

#### STC-HSS, STAINLESS STEEL



The VPG Celtron STC HSS provides upgraded protection to the standard environmentally sealed s-beam for dry but dirty suspended tank, hopper and mechanical replacement applications. An economical alternative to fully stainless, welded s-beams, the STC HSS provides a mid-range solution where none previously existed. Available in capacities ranging from 500 to 10,000 lb. Each unit includes 20 ft of standard load cell cable.

### SINGLE-ENDED BEAMS

#### Page 203

#### SQB, ALLOY STEEL



Single-ended beam designed for low-profile scales and platform, hopper and tank weighing applications. NTEP Certified cells in capacities from 1,000 to 10,000 lb; Non-NTEP Certified cells in 500 lb, 15,000 lb and 20,000 lb capacities. Complete with 20 ft of load cell cable.



#### Page 204

#### SQB-HSS, STAINLESS STEEL



The VPG Celtron SQB-HSS stainless steel, welded-seal, single-ended beam is a precision load cell offering exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single or multiple load cell installations, the SQB-HSS is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities range from 1,000 to 10,000 lb. Complete with 20 ft of load cell cable.



#### Page 205

#### MBB, ALLOY STEEL



Ultra-small load cell designed for bench, platform, tank and conveyor weighing applications. Nickel plated and environmentally protected with a stainless steel side plate. Capacities range from 50 to 250 lb. Complete with 5 ft of load cell cable.



## SINGLE-ENDED BEAMS

### Page 206

### SEB, ALLOY STEEL



The VPG Celtron SEB is a single-ended beam designed for various scale and process weighing applications. This unit is manufactured from high-alloy steel that has been nickel plated to ensure an IP67 rating. The product is OIML approved and has metric envelope capacities ranging from 500 kg to 2.5 t. Each unit is provided with 20 ft of standard load cell cable to deliver an accurate yet economical package.



## DOUBLE-ENDED BEAMS

### Page 207

### DSR, ALLOY STEEL



Double-ended beam with center loading. Designed for tank, hopper and silo applications. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.



### Page 208

### CLB, ALLOY STEEL



The VPG Celtron CLB is an alloy steel, nickel-plated, double-ended beam that is ideal for applications in truck, track, tank and hopper applications. This product is of the center-loaded design, and is compatible with both the MVS and TSA mounting assemblies. Available in capacities ranging from 20,000 to 125,000 lb, with all units being provided with 25 ft of load cell cable.



## SINGLE POINTS

### Page 209

### LPS, ALUMINUM



The LPS is the lightest model of the Celtron single-point load cell family. The design is most suitable for mass production operations. LPS is constructed of anodized aluminum and is fully potted IP65 levels, providing excellent protection against moisture ingress.



### Page 210

### LOC, ALUMINUM, HEAVY CAPACITY



Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform and hanging scales. Long-term stability and durability are maintained. Capacities range from 100 to 500 kg. Complete with 3.1 m of load cell cable.



## COMPRESSION CANISTERS

### Page 211

### LCD, ALLOY STEEL



Environmentally protected, low-profile compression disk. 5,000 lb and 10,000 lb models can also be used in tension-loading applications. The shear web design provides excellent performance and a low-profile feature makes it ideal for applications where height is critical. Capacities range from 5,000 to 100,000 lb. Complete with 50 ft of load cell cable.





Picture is a representation of actual product.

## Approvals

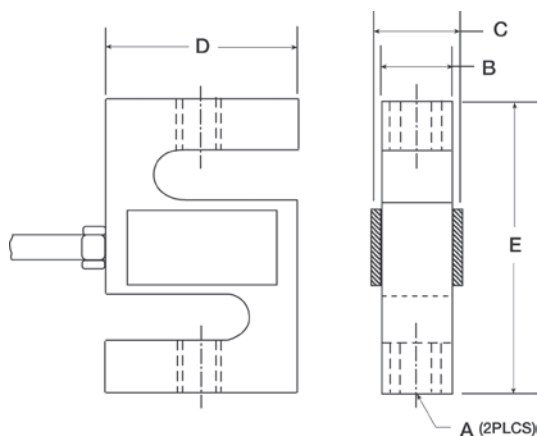


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 lb       | 30044  | 2 lb        | \$185.00 |
| 100 lb      | 30045  | 2 lb        | \$185.00 |
| 150 lb      | 30046  | 2 lb        | \$185.00 |
| 200 lb      | 35787  | 2 lb        | \$185.00 |

## Dimensions

| Rated Capacity | A          | B    | C    | D    | E    |
|----------------|------------|------|------|------|------|
| lb/in          |            |      |      |      |      |
| 50 to 200      | 1/4-28 UNF | 0.50 | 1.05 | 2.00 | 2.50 |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
**RL20000I**..... page 104

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**ITCM-Isolated Tension Cell Mount**..... page 38

## Specifications

**Full Scale Output:**  
 3.0 mV/V (50 lb capacity, 2.0 mV/V)

**Output Resistance:**  
 350 (± 3) ohm

**Input Resistance:**  
 385 (± 5) ohm

**Material/Finish:**  
 High-alloy steel, nickel plated

**Temperature:**  
 Operating range  
 0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
 Environmentally sealed, IP67

**Safe Overload:**  
 150% full scale

**Rated Excitation:**  
 5 to 10 VDC (15 V maximum)

**Nonlinearity:**  
 0.03% full scale

**Hysteresis:**  
 0.02% full scale

**Insulation Resistance:**  
 5,000 megohm

**Cable Length:**  
 20 ft

**Cable Diameter:**  
 0.200 in  
 Polyurethane jacket

**Cable Color Code:**  
 Red +Excitation  
 Black -Excitation  
 Green +Signal  
 White -Signal

**Warranty:**  
 One-year limited

**Approvals:**  
 cFMus



Picture is a representation of actual product

### Approvals



### Order Information

| Load Rating               | Part # | Est. Weight | Price    |
|---------------------------|--------|-------------|----------|
| <b>NTEP Certified</b>     |        |             |          |
| 250 lb                    | 30047  | 2 lb        | \$195.00 |
| 500 lb                    | 30051  | 2 lb        | \$195.00 |
| 750 lb                    | 30054  | 2 lb        | \$195.00 |
| 1,000 lb                  | 30067  | 2 lb        | \$195.00 |
| 1,500 lb                  | 30069  | 2 lb        | \$195.00 |
| 2,000 lb                  | 30072  | 3 lb        | \$195.00 |
| 2,500 lb                  | 30073  | 3 lb        | \$195.00 |
| 3,000 lb                  | 30074  | 3 lb        | \$265.00 |
| 5,000 lb                  | 30076  | 3 lb        | \$375.00 |
| 10,000 lb                 | 30077  | 5 lb        | \$375.00 |
| 15,000 lb                 | 30078  | 9 lb        | \$475.00 |
| 20,000 lb                 | 30079  | 17 lb       | \$775.00 |
| <b>Non-NTEP Certified</b> |        |             |          |
| 40,000 lb                 | 46674  | 39 lb       | \$955.00 |

### Special Load Cells

| Load Rating                        | Part # | Est. Weight | Price    |
|------------------------------------|--------|-------------|----------|
| <b>30 ft Cable Matched Outputs</b> |        |             |          |
| 3,000 lb                           | 67882  | 3 lb        | \$288.00 |
| 5,000 lb                           | 67881  | 4 lb        | \$525.00 |
| 20,000 lb                          | 67883  | 17 lb       | \$865.00 |

### Dimensions

| Rated Capacity | A            | B    | C    | D    | E     |
|----------------|--------------|------|------|------|-------|
| lb/in          |              |      |      |      |       |
| 250            | 3/8-24 UNF   | 0.75 | 0.50 | 2.00 | 3.00  |
| 500 to 1,500   | 1/2-20 UNF   | 1.00 | 0.75 | 2.00 | 3.00  |
| 2,000 to 3,000 | 1/2-20 UNF   | 1.25 | 1.00 | 2.00 | 3.00  |
| 5,000          | 3/4-16 UNF   | 1.25 | 1.00 | 3.00 | 4.25  |
| 10,000         | 3/4-16 UNF   | 1.25 | 1.00 | 3.50 | 4.75  |
| 15,000         | 1-14 UNS     | 1.50 | 1.25 | 4.00 | 5.50  |
| 20,000         | 1 1/4-12 UNF | 2.19 | 2.00 | 5.00 | 7.00  |
| 40,000         | 1 1/2-12 UNF | 2.75 | 2.50 | 6.00 | 10.00 |

### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
**RL20001I** ..... page 107  
 VPG® SENSORTRONICS  
**60001** ..... page 287

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**ITCM-Isolated Tension Cell Mount** ..... page 38

### Specifications

#### Full Scale Output:

3.0 mV/V nominal

#### Output Resistance:

350 (± 3) ohm

#### Input Resistance:

385 (± 5) ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range  
 14 °F to 104 °F (-10 °C to 40 °C)  
 Operating range  
 0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Non-Repeatability:

0.01% full scale

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Cable Length:

20 ft

#### Cable Diameter:

250 to 20,000 lb: 0.200 in  
 40,000 lb: 0.305 in  
 Polyurethane jacket

#### Cable Color Code:

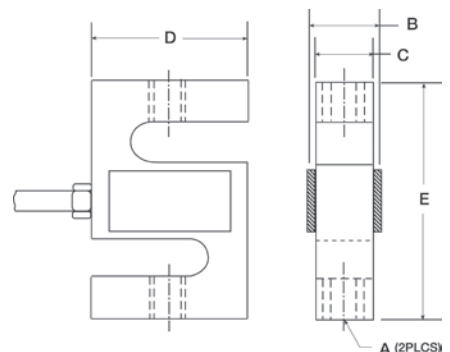
Red +Excitation  
 Black -Excitation  
 Green +Signal  
 White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus  
 NTEP





Picture is a representation of actual product

## Approvals

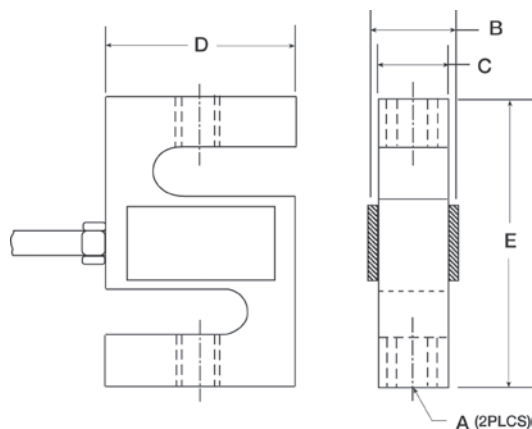


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 250 lb      | 46659  | 2 lb        | \$312.00 |
| 500 lb      | 46661  | 2 lb        | \$312.00 |
| 750 lb      | 46662  | 2 lb        | \$312.00 |
| 1,000 lb    | 46663  | 2 lb        | \$312.00 |
| 1,500 lb    | 46664  | 2 lb        | \$312.00 |
| 2,000 lb    | 46665  | 2 lb        | \$312.00 |
| 2,500 lb    | 46666  | 3 lb        | \$335.00 |
| 3,000 lb    | 46667  | 2 lb        | \$335.00 |
| 5,000 lb    | 46668  | 4 lb        | \$470.00 |
| 10,000 lb   | 46669  | 4 lb        | \$480.00 |

## Dimensions

| Rated Capacity | A          | B    | C    | D    | E    |
|----------------|------------|------|------|------|------|
| lb/in          |            |      |      |      |      |
| 250            | 3/8-24 UNF | 0.75 | 0.50 | 2.00 | 3.00 |
| 500 to 1,500   | 1/2-20 UNF | 1.00 | 0.75 | 2.00 | 3.00 |
| 2,000 to 3,000 | 1/2-20 UNF | 1.25 | 1.00 | 2.00 | 3.00 |
| 5,000          | 3/4-16 UNF | 1.25 | 1.00 | 3.00 | 4.25 |
| 10,000         | 3/4-16 UNF | 1.25 | 1.00 | 3.50 | 4.25 |



## Interchangeable Products

VPG® SENSORTRONICS

60050 ..... page 288

## Specifications

### Full Scale Output:

3.0 mV/V nominal

### Output Resistance:

350 (± 3) ohm

### Input Resistance:

385 (± 5) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

20 ft

### Cable Diameter:

0.200 in  
Polyurethane jacket

### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

One-year limited

### Approvals:

cFMus





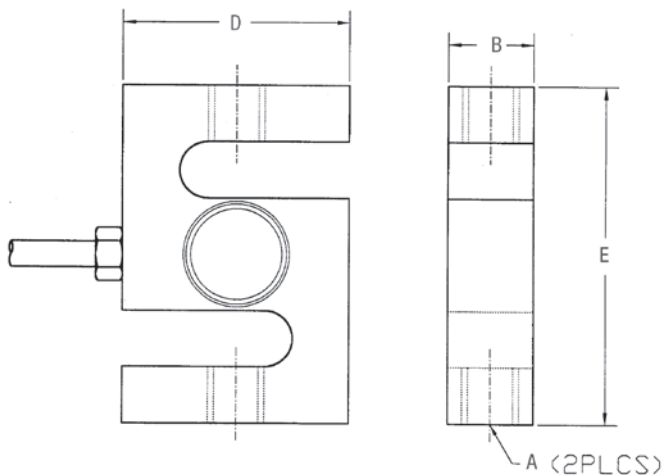
Picture is a representation of actual product

## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 500 lb      | 69326  | 2 lb        | \$493.00 |
| 750 lb      | 69327  | 2 lb        | \$493.00 |
| 1,000 lb    | 69328  | 2 lb        | \$493.00 |
| 1,500 lb    | 69329  | 2 lb        | \$493.00 |
| 2,000 lb    | 69330  | 2 lb        | \$493.00 |
| 2,500 lb    | 69331  | 2 lb        | \$493.00 |
| 3,000 lb    | 69332  | 2 lb        | \$525.00 |
| 5,000 lb    | 69333  | 4 lb        | \$736.00 |
| 10,000 lb   | 69334  | 4 lb        | \$736.00 |

## Dimensions

| Rated Capacity  | A          | B    | D    | E    |
|-----------------|------------|------|------|------|
| lb/in           |            |      |      |      |
| 500 to 3,000    | 1/2-20 UNF | 1.00 | 2.00 | 2.97 |
| 5,000 to 10,000 | 3/4-16 UNF | 1.00 | 3.00 | 4.25 |



## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM-Isolated Tension Cell Mount** ..... page 38

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3) ohm

### Input Resistance:

385 (± 5) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Welded-seal, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.05%

### Insulation Resistance:

5,000 megohms

### Cable Length:

20 ft

### Cable Diameter:

0.200 in

Polyurethane jacket

### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

One-year limited



Picture is a representation of actual product

### Approvals



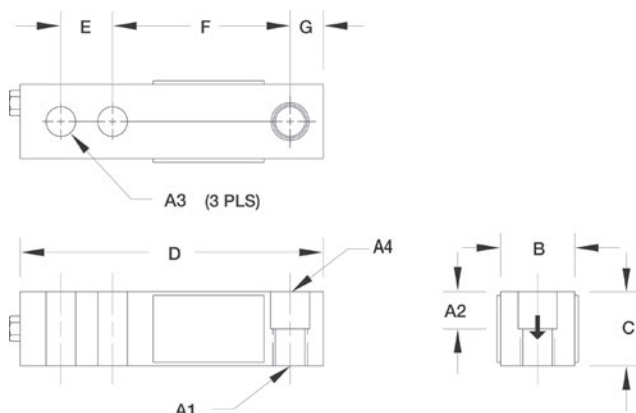
### Order Information

| Load Rating               | Part #       | Est. Weight | Price    |
|---------------------------|--------------|-------------|----------|
| <b>NTEP Certified</b>     |              |             |          |
| 1,000 lb                  | <b>30106</b> | 3 lb        | \$205.00 |
| 2,000 lb                  | <b>30109</b> | 3 lb        | \$205.00 |
| 2,500 lb                  | <b>30112</b> | 3 lb        | \$205.00 |
| 3,000 lb                  | <b>30113</b> | 3 lb        | \$205.00 |
| 4,000 lb                  | <b>30270</b> | 3 lb        | \$205.00 |
| 5,000 lb SE               | <b>30114</b> | 3 lb        | \$205.00 |
| 5,000 lb LE               | <b>30115</b> | 5 lb        | \$350.00 |
| 10,000 lb                 | <b>30117</b> | 5 lb        | \$350.00 |
| <b>Non-NTEP Certified</b> |              |             |          |
| 500 lb                    | <b>30101</b> | 3 lb        | \$196.00 |
| 15,000 lb                 | <b>30118</b> | 9 lb        | \$455.00 |
| 20,000 lb                 | <b>30121</b> | 10 lb       | \$470.00 |

SE=small envelope; LE=large envelope

### Dimensions

| Rated Capacity     | A4       | A2   | A3   | A1         | B    | C    | D    | E    | F    | G    |
|--------------------|----------|------|------|------------|------|------|------|------|------|------|
| lb/in              |          |      |      |            |      |      |      |      |      |      |
| 500                | 0.53 dia | 0.50 | 0.53 | 1/2-20 UNF | 1.25 | 1.00 | 5.12 | 1.00 | 3.00 | 0.50 |
| 1,000 to 5,000 SE  | 0.53 dia | 0.62 | 0.53 | 1/2-20 UNF | 1.25 | 1.25 | 5.12 | 1.00 | 3.00 | 0.50 |
| 5,000 LE to 10,000 | 0.78 dia | 0.75 | 0.78 | 3/4-16 UNF | 1.50 | 1.50 | 6.75 | 1.50 | 3.75 | 0.75 |
| 15,000 to 20,000   | 1.03 dia | 1.00 | 1.03 | 1-14 UNS   | 2.00 | 2.00 | 8.88 | 2.00 | 4.88 | 1.00 |



### Interchangeable Products

VPG® SENSORTRONICS

**65023A**..... page 293

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 41

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 52

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

350 (± 3) ohm

#### Input Resistance:

385 (± 5) ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

500 to 1,000 lb: 0.013 in

2,000 to 3,000 lb: 0.015 in

4,000 to 5,000 lb: 0.025 in

10,000 lb: 0.035 in

#### Cable Length:

20 ft

#### Cable Diameter:

0.200 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP

**SQB-HSS**

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product

## Approvals



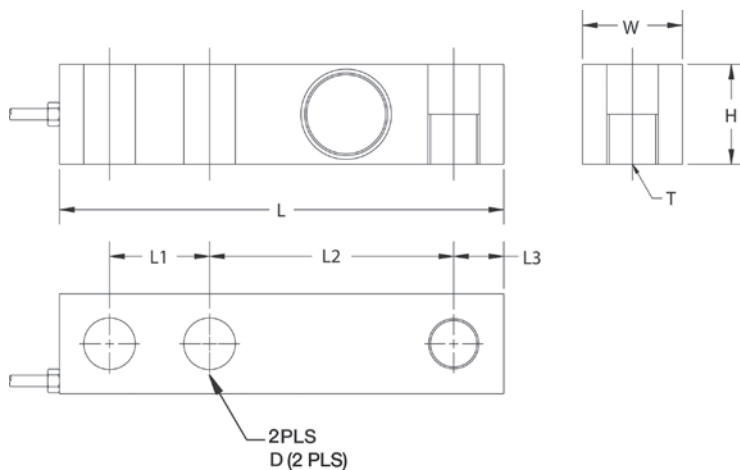
## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 67118  | 3 lb        | \$344.00 |
| 2,000 lb    | 67119  | 3 lb        | \$344.00 |
| 2,500 lb    | 67120  | 3 lb        | \$344.00 |
| 3,000 lb    | 67121  | 3 lb        | \$344.00 |
| 4,000 lb    | 67122  | 3 lb        | \$344.00 |
| 5,000 lb SE | 67123  | 3 lb        | \$344.00 |
| 5,000 lb LE | 67124  | 5 lb        | \$450.00 |
| 10,000 lb   | 67125  | 5 lb        | \$450.00 |

SE=small envelope; LE=large envelope

## Dimensions

| Rated Capacity     | L    | L1   | L2   | L3   | W    | H    | D    | T          |
|--------------------|------|------|------|------|------|------|------|------------|
| lb/in              |      |      |      |      |      |      |      |            |
| 1,000 to 5,000 SE  | 5.12 | 1.00 | 3.00 | 0.50 | 1.25 | 1.25 | 0.53 | 1/2-20 UNF |
| 5,000 LE to 10,000 | 6.75 | 1.50 | 3.75 | 0.75 | 1.50 | 1.50 | 0.78 | 3/4-16 UNF |



## Interchangeable Products

VPG® SENSORTRONICS

65083..... page 296

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1800 Series..... page 52

## Specifications

## Full Scale Output:

3.0 mV/V

## Output Resistance:

350 (± 3) ohm

## Input Resistance:

385 (± 5) ohm

## Material/Finish:

Stainless steel

## Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

## Seal Type:

Welded-seal, IP67

## Safe Overload:

150% full scale

## Safe Sideload:

100% full scale

## Rated Excitation:

5 to 10 VDC (15 V maximum)

## Combined Error:

0.02 full scale

## Insulation Resistance:

5,000 megohm

## Cable Length:

20 ft

## Cable Diameter:

0.200 in

Polyurethane jacket

## Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

## Warranty:

One-year limited

## Approvals:

cFMus

NTEP



Picture is a representation of actual product

## Approvals

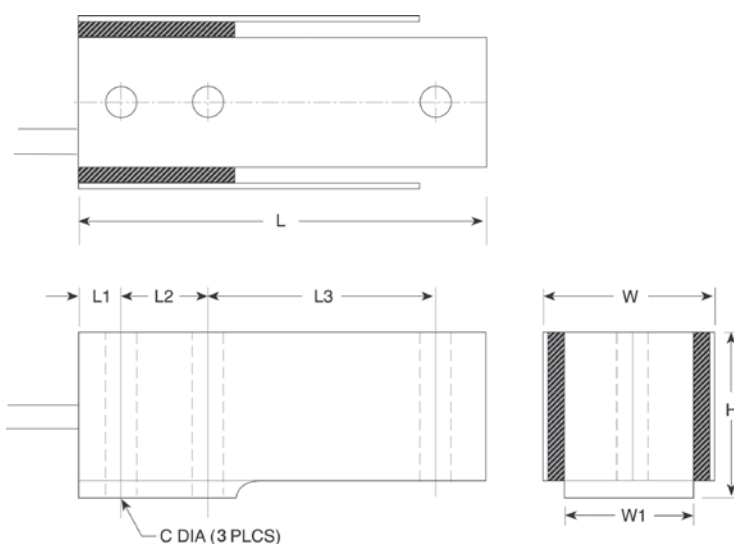


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 lb       | 30130  | 2 lb        | \$205.00 |
| 100 lb      | 30131  | 2 lb        | \$205.00 |
| 150 lb      | 30132  | 2 lb        | \$205.00 |
| 250 lb      | 35786  | 2 lb        | \$205.00 |

## Dimensions

| Rated Capacity<br>lb/in | C    | W    | W1   | H    | L    | L1   | L2   | L3   |
|-------------------------|------|------|------|------|------|------|------|------|
| 50 to 150               | 0.17 | 0.75 | 0.50 | 0.98 | 2.38 | 0.25 | 0.50 | 1.33 |
| 250                     | 0.17 | 1.00 | 0.75 | 0.98 | 2.38 | 0.25 | 0.50 | 1.33 |



## Interchangeable Products

INTERFACE®  
MB

## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohm

### Input Resistance:

385 ( $\pm 5$ ) ohm

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP65

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

5 ft

### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

One-year limited

### Approvals:

cFMus



Picture is a representation of actual product

### Approvals

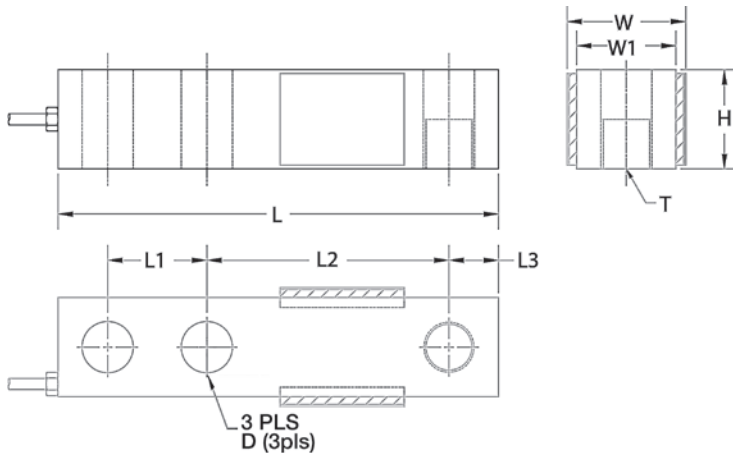


### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 500 kg      | 69315  | 3 lb        | \$228.00 |
| 1 t         | 69316  | 3 lb        | \$228.00 |
| 1.5 t       | 69317  | 3 lb        | \$228.00 |
| 2 t         | 69318  | 3 lb        | \$228.00 |
| 2.5 t       | 69319  | 3 lb        | \$228.00 |

### Dimensions

| Rated Capacity | L    | L1   | L2   | L3   | W    | W1   | H    | D    | T          |
|----------------|------|------|------|------|------|------|------|------|------------|
| kg-t/in        |      |      |      |      |      |      |      |      |            |
| 500 to 2.5     | 5.12 | 1.00 | 3.00 | 0.50 | 1.50 | 1.25 | 1.25 | 0.53 | M12 x 1.75 |



### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

350 ( $\pm 3$ ) ohm

#### Input Resistance:

385 ( $\pm 5$ ) ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 VAC/DC (15 V maximum)

#### Combined Error:

0.025%

#### Insulation Resistance:

5,000 megohm

#### Cable Length:

20 ft

#### Cable Diameter:

0.200 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus

OIML



Picture is a representation of actual product

## Approvals



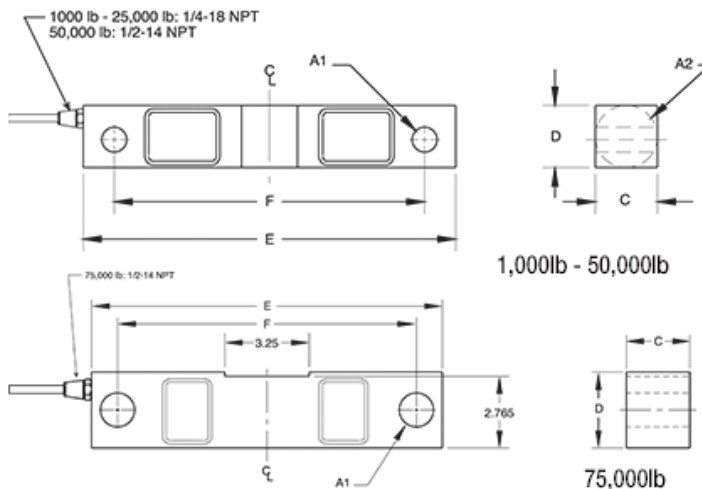
## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 30080  | 4 lb        | \$525.00 |
| 1,500 lb    | 30081  | 4 lb        | \$525.00 |
| 2,000 lb    | 30088  | 4 lb        | \$525.00 |
| 2,500 lb    | 30089  | 4 lb        | \$525.00 |
| 3,000 lb    | 30091  | 4 lb        | \$525.00 |
| 5,000 lb    | 30094  | 4 lb        | \$525.00 |
| 10,000 lb   | 30095  | 7 lb        | \$610.00 |
| 15,000 lb   | 30096  | 7 lb        | \$610.00 |
| 20,000 lb   | 30097  | 7 lb        | \$610.00 |
| 25,000 lb   | 30098  | 7 lb        | \$610.00 |
| 50,000 lb   | 30099  | 25 lb       | \$875.00 |
| 75,000 lb*  | 30100  | 25 lb       | \$875.00 |

\*75,000 lb capacity has a square center

## Dimensions

| Rated Capacity   | A1   | A2   | C    | D    | E     | F     |
|------------------|------|------|------|------|-------|-------|
| lb/in            |      |      |      |      |       |       |
| 1,000 to 5,000   | 0.50 | 1.25 | 1.25 | 1.25 | 7.50  | 6.25  |
| 10,000 to 25,000 | 0.81 | 1.99 | 1.44 | 1.94 | 8.75  | 7.50  |
| 50,000           | 1.31 | 3.00 | 2.44 | 2.94 | 13.50 | 11.50 |
| 75,000           | 1.31 | —    | 2.44 | 2.94 | 13.50 | 11.50 |



## Interchangeable Products

|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| <b>RL75016</b> .....       | page 143 |
| RICE LAKE WEIGHING SYSTEMS |          |
| <b>RL75016WHE</b> .....    | page 147 |
| VPG® SENSORTRONICS         |          |
| <b>65016</b> .....         | page 302 |
| VPG® REVERE                |          |
| <b>5203</b>                |          |

## Weigh Module Available

|                            |                     |
|----------------------------|---------------------|
| RICE LAKE WEIGHING SYSTEMS |                     |
| <b>RL1600 Series</b> ..... | page 77 and page 79 |

## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

700 (± 5) ohm

### Input Resistance:

770 (± 10) ohm

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Deflection at Capacity:

1,000 to 3,000 lb: 0.01 in  
5,000 lb: 0.015 in  
10,000 to 20,000 lb: 0.022 in  
25,000 lb: 0.036 in  
50,000 lb: 0.052 in  
75,000 lb: 0.07 in

### Cable Length:

25 ft

### Cable Diameter:

1,000 to 25,000 lb: 0.200 in  
50,000 to 75,000 lb: 0.305 in  
Polyurethane jacket

### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

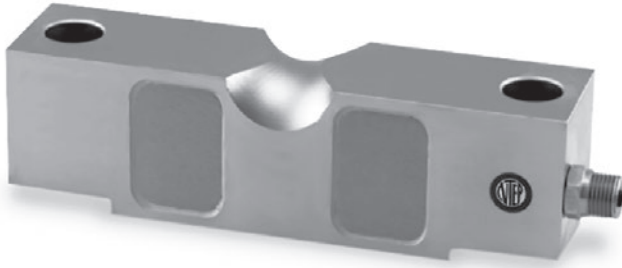
### Warranty:

One-year limited

### Approvals:

cFMus





Picture is a representation of actual product

#### Approvals

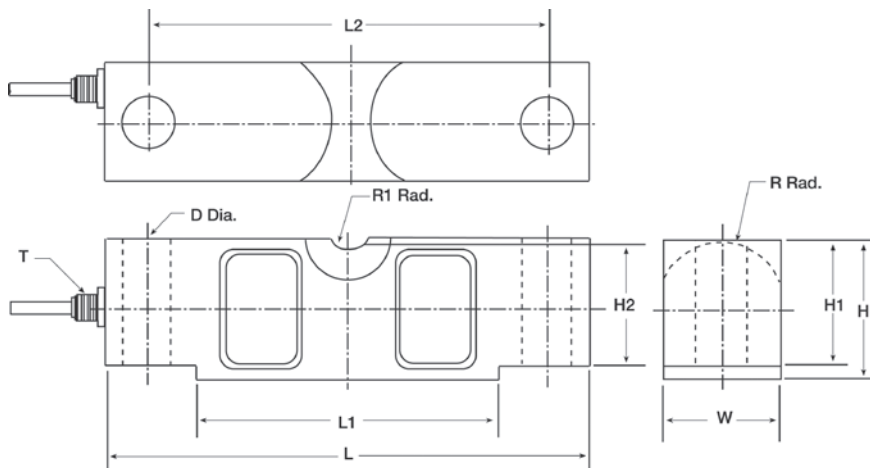


#### Order Information

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 20,000 lb   | <b>46675</b> | 8 lb        | \$646.00   |
| 25,000 lb   | <b>46676</b> | 8 lb        | \$662.00   |
| 40,000 lb   | <b>46677</b> | 13 lb       | \$790.00   |
| 50,000 lb   | <b>46678</b> | 19 lb       | \$858.00   |
| 60,000 lb   | <b>46679</b> | 19 lb       | \$858.00   |
| 75,000 lb   | <b>46680</b> | 19 lb       | \$858.00   |
| 125,000 lb  | <b>46682</b> | 40 lb       | \$1,563.00 |

#### Dimensions

| Rated Capacity   | L     | L1   | L2    | W    | H    | H1   | H2   | D    | R    | R1   | T          |
|------------------|-------|------|-------|------|------|------|------|------|------|------|------------|
| lb/in            |       |      |       |      |      |      |      |      |      |      |            |
| 20,000 to 25,000 | 7.75  | 4.99 | 6.50  | 1.69 | 1.94 | 1.70 | 1.63 | 0.68 | 0.90 | 0.75 | 1/4-18 NPT |
| 40,000           | 10.25 | 6.39 | 8.50  | 1.94 | 2.44 | 2.10 | 2.00 | 0.81 | 1.12 | 1.00 | 1/4-18 NPT |
| 50,000 to 75,000 | 10.25 | 6.39 | 8.50  | 2.44 | 2.94 | 2.65 | 2.54 | 1.06 | 1.37 | 1.00 | 1/2-14 NPT |
| 125,000          | 15.25 | 8.99 | 12.75 | 2.90 | 3.86 | 2.43 | 3.30 | 1.62 | 1.80 | 1.50 | 1/2-14 NPT |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75058I**..... page 148

VPG® SENSORTRONICS

**65058A**..... page 305

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**MVS**..... page 84

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

700 (± 5) ohm

##### Input Resistance:

770 (± 10) ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.025%

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

25 ft

##### Cable Diameter:

20,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

Polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

One-year limited

##### Approvals:

cFmus

NTEP



Picture is a representation of actual product

### Approvals

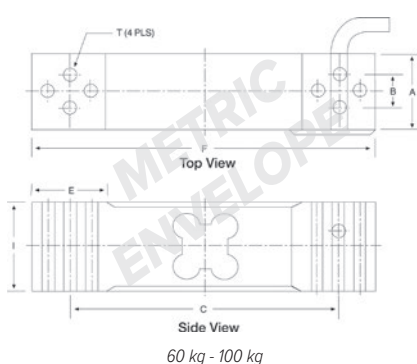
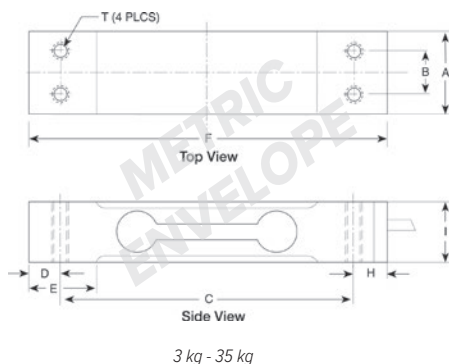


### Order Information

| Load Rating               | Part # | Est. Weight | Price    |
|---------------------------|--------|-------------|----------|
| <b>NTEP Certified</b>     |        |             |          |
| 3 kg                      | 41822  | 1 lb        | \$138.00 |
| 6 kg                      | 41823  | 1 lb        | \$138.00 |
| 10 kg                     | 41824  | 1 lb        | \$138.00 |
| 15 kg                     | 41825  | 1 lb        | \$138.00 |
| 20 kg                     | 41826  | 1 lb        | \$138.00 |
| <b>Non-NTEP Certified</b> |        |             |          |
| 10 kg                     | 30145  | 1 lb        | \$127.00 |
| 15 kg                     | 30146  | 1 lb        | \$127.00 |
| 20 kg                     | 30147  | 1 lb        | \$127.00 |
| 30 kg                     | 46502  | 1 lb        | \$127.00 |
| 35 kg                     | 30148  | 1 lb        | \$127.00 |
| 60 kg                     | 41149  | 2 lb        | \$127.00 |
| 100 kg                    | 41150  | 2 lb        | \$127.00 |

### Dimensions

| Rated Capacity | A    | B    | C     | D    | E    | F     | H    | I    | T        |
|----------------|------|------|-------|------|------|-------|------|------|----------|
| <b>kg/mm</b>   |      |      |       |      |      |       |      |      |          |
| 3              | 15.0 | 7.0  | 58.0  | 6.0  | 12.0 | 70.0  | 6.0  | 22.0 | M3 × 0.5 |
| 6 to 20        | 30.0 | 15.0 | 106.0 | 12.0 | 25.0 | 130.0 | 12.0 | 22.0 | M6 × 1.0 |
| 30 to 35       | 40.0 | 15.0 | 106.0 | 12.0 | 25.0 | 130.0 | 12.0 | 22.0 | M6 × 1.0 |
| 60 to 100      | 35.0 | 15.0 | 117.0 | -    | -    | 150.0 | -    | 40.0 | M6 × 1.0 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1521A**.....page 168

VP® TEDEA-HUNTLEIGH

**1022** .....page 322

VP® BLH

**C2G1**

NMB®

**C2G1**

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

350 (± 3) ohm

#### Input Resistance:

410 (± 15) ohm

#### Material/Finish:

Aluminum

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP65

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.25% full scale

#### Non-Repeatability:

0.02%

#### Insulation Resistance:

5,000 megohm

#### Cable Length:

3 to 35 kg: 16.5in

60 kg: 14 in

100 kg: 6.5 ft

#### Cable Diameter:

0.14 in PVC jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Max Platform Size:

13.75 × 13.75 in

#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP

# LOC Heavy Capacity

Aluminum, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP65

VPG CELTRON



Picture is a representation of actual product

## Approvals

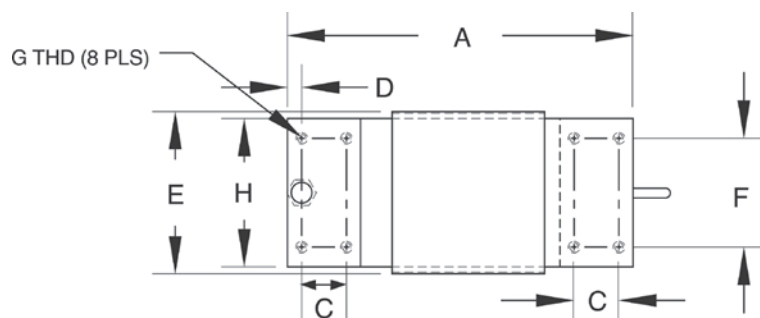


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 100 kg      | 39797  | 7 lb        | \$313.00 |
| 150 kg      | 39796  | 7 lb        | \$313.00 |
| 250 kg      | 39795  | 7 lb        | \$313.00 |
| 300 kg      | 39794  | 7 lb        | \$313.00 |
| 500 kg      | 39793  | 7 lb        | \$313.00 |

## Dimensions

| Rated Capacity | A     | C    | D    | E    | F    | G                   | H    |
|----------------|-------|------|------|------|------|---------------------|------|
| kg/mm          |       |      |      |      |      |                     |      |
| 100 to 500     | 191.0 | 25.0 | 11.0 | 82.0 | 60.0 | 5/16-18 UNC x 20 DP | 75.0 |



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohm

### Input Resistance:

410 ( $\pm 10$ ) ohm

### Material/Finish:

Aluminum

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP65

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.025% full scale

### Non-Repeatability:

0.02%

### Insulation Resistance:

5,000 megohm

### Cable Length:

3 m

### Cable Diameter:

0.200 in PVC jacket

### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

### Max Platform Size:

24 x 24 in

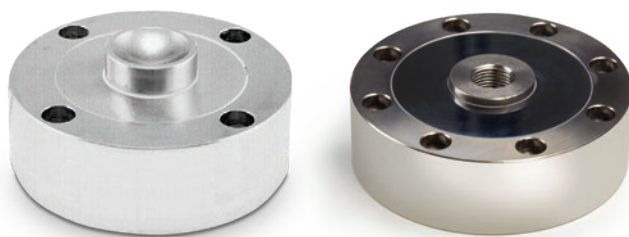
### Warranty:

One-year limited

### Approvals:

cFMus

NTEP



25,000 lb - 100,000 lb

5,000 lb - 10,000 lb

Picture is a representation of actual product

## Approvals



## Order Information

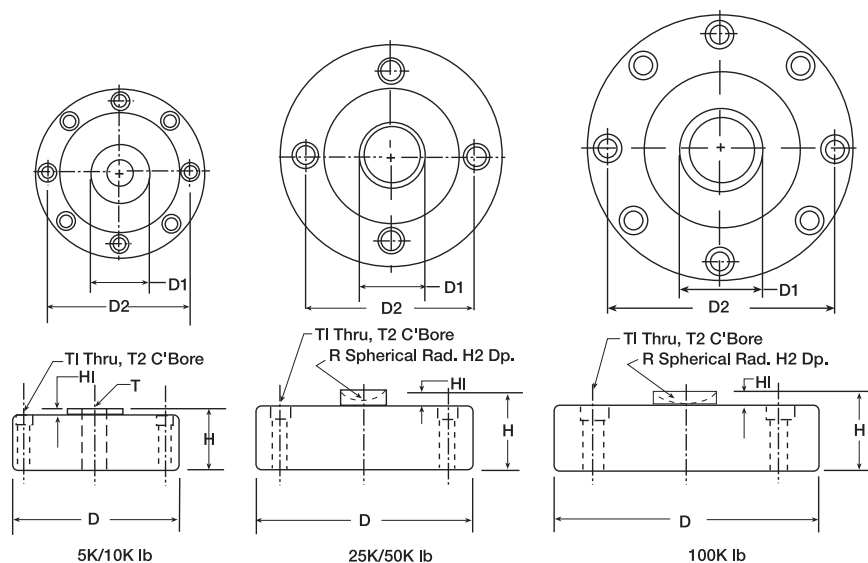
| Load Rating           | Part #       | Est. Weight | Price    |
|-----------------------|--------------|-------------|----------|
| 5,000 lb*             | <b>41966</b> | 6 lb        | \$636.00 |
| 10,000 lb*            | <b>41967</b> | 6 lb        | \$636.00 |
| 25,000 lb             | <b>41968</b> | 9 lb        | \$822.00 |
| 50,000 lb             | <b>41969</b> | 9 lb        | \$822.00 |
| 100,000 lb            | <b>41970</b> | 12 lb       | \$975.00 |
| <b>Options</b>        |              |             |          |
| Ball 1.25 in diameter | <b>65841</b> | 1 lb        | \$37.00  |
| Load cup**            | <b>33616</b> | 1 lb        | \$37.00  |

\* 5,000 lb and 10,000 lb models can be used in compression and tension load applications

\*\* Load cup, PN 33616, is required for compression applications on 5,000 lb and 10,000 lb capacity load cells and is sold separately

## Dimensions

| Rated Capacity   | T          | R     | D    | D2   | H    | H1   | H2   | T1   | T2               |
|------------------|------------|-------|------|------|------|------|------|------|------------------|
| lb/in            |            |       |      |      |      |      |      |      |                  |
| 5,000 to 10,000  | 5/8-18 UNF | —     | 4.12 | 3.50 | 1.37 | 0.12 | —    | 0.28 | 0.406 × 0.283 DP |
| 25,000 to 50,000 | —          | 0.875 | 4.75 | 4.00 | 2.12 | 0.50 | 0.31 | 0.34 | 0.508 × 0.38 DP  |
| 100,000          | —          | 0.875 | 5.43 | 4.60 | 2.25 | 0.25 | 0.31 | 0.41 | 0.626 × 0.4 DP   |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL90000 .....page 161

## Specifications

## Full Scale Output:

4.0 mV/V

## Output Resistance:

5,000 to 50,000 lb: 350 (± 3) ohm

100,000 lb: 700 (± 5) ohm

## Input Resistance:

5,000 to 50,000 lb: 385 (± 5) ohm

100,000 lb: 770 (± 70) ohm

## Material/Finish:

High-alloy steel, nickel plated

## Temperature:

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

## Seal Type:

Environmentally sealed, IP67

## Safe Overload:

150% full scale

## Rated Excitation:

15 VDC (15 V maximum)

## Nonlinearity:

0.05% full scale

## Hysteresis:

0.02% full scale

## Insulation Resistance:

2,000 megohm

## Cable Length:

50 ft

## Cable Diameter:

5,000 to 25,000 lb: 0.200 in

50,000 to 100,000 lb: 0.305 in

Polyurethane jacket

## Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

## Warranty:

One-year limited

## Approvals:

cFMus



### S-BEAMS

Page 216

#### UB1, STAINLESS STEEL



Designed for single or multiple-cell tension load applications, these stainless steel s-beams feature voltage factory calibration, assuring matched outputs for easy calibration in multiple-cell applications. Features hermetic sealing of the strain gauge area and cable entry, providing the ultimate in protection from outside elements. 20 ft of cable is included to simplify cable and load cell repairs. Capacities range from 10 kN to 50 kN.



Page 217

#### UB6, STAINLESS STEEL



Stainless steel s-beam designed to meet the most stringent accuracy requirements. 20 ft of field-replaceable cable is included to simplify cable and load cell repairs. Capacities range from 1 kN to 5 kN.



### SINGLE-ENDED BEAMS

Page 218

#### SLB, STAINLESS STEEL



This stainless steel, single-ended beam has one of the highest NTEP Certified ratings in the industry. A new generation of potting makes this load cell suitable for tough industrial environments. Capacities range from 200 to 5,000 lb. Complete with 10 ft of load cell cable.



Page 219

#### SB4, STAINLESS STEEL



Designed for multiple-cell applications, such as floor scales and hoppers, these stainless steel, single-ended beams are used exclusively in Rice Lake Weighing Systems' Paramounts® HS mounting systems. Voltage factory calibration assures matched outputs for easy calibration. Features true hermetic sealing of both the strain gauge area and cable entry, providing protection from outside elements. Includes field-replaceable load cell cable to simplify cable and load cell repairs. Available in both NTEP Certified and Non-NTEP Certified ranges 5 kN to 100 kN.



Page 220

#### SB5, STAINLESS STEEL



Made for multiple-cell applications, such as floor scales and tank, bin and hopper weighing systems. Used exclusively in Rice Lake Weighing Systems' Paramounts® EP mounting systems. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration. Available in both NTEP Certified and Non-NTEP Certified ranges 5 kN TO 100 kN.



Page 221

#### BK2, STAINLESS STEEL



Designed to lower the scale profile by providing a load cell that is half the overall height of traditional solutions. Ideal for applications such as low-profile floor scales, this model is constructed of stainless steel and is environmentally potted to provide suitable protection for indoor applications. The standard calibration technique used by Flintec® avoids time-consuming calibration for multiple load cell applications. Available in capacities from 200 kg to 2,000 kg and includes 10 ft of standard load cell cable.



Page 222

#### SB6, STAINLESS STEEL



Stainless steel, fully hermetically sealed, single-ended beam with special loading hole provides excellent performance in the harshest environments with a low-profile design. Capacities range from 0.2 kN to 2 kN. Complete with 10 ft of load cell cable.





## SINGLE-ENDED BEAMS

Page 223

### SB10, STAINLESS STEEL



Used in the 2.3 kN Paramounts® assemblies. This stainless steel, hermetically sealed load cell provides full IP68 sealing protection for the harshest environments. Ideal for use in multiple-cell floor scale, tank and hopper applications. The unique voltage factory calibration assures matched outputs for easy field replacement and calibrations. The capacity of this model is 2.5 kN. Each unit is supplied with 10 ft of load cell cable.



Page 224

### SB14, STAINLESS STEEL



Stainless steel, fully hermetically sealed, single-ended beam suitable for the harshest environments. Capacities range from 500 lb to 5,000 lb. Complete with 10 ft of load cell cable.



## ROCKER COLUMNS

Page 225

### RC1, STAINLESS STEEL



Offers stainless steel and real hermetic sealing, making these cells suitable for use in tough industrial environments. Capacities are 250 kN and 400 kN and 50,000 lb. Cable lengths vary from 35 ft to 60 ft for easy field replacement and load cell repairs.



Page 226

### RC3, STAINLESS STEEL



Rocker designed and provides superior performance and full hermetic design in applications in moist and high humidity environments. Constructed of stainless steel. Available in capacities from 7.5 t to 50 t.



## SINGLE POINTS

Page 227

### PCB, STAINLESS STEEL



A unique "brick" style of load cell. Constructed of stainless steel and hermetically sealed, this unique design provides superior protection in applications where moisture and high humidity are problems. This model features both a welded gauge cavity area, and waterproof cable entry for long-lasting performance. With its interchangeable design, it provides the ability to upgrade applications. Available in capacities from 50 kg to 1,000 kg. Each unit includes 10 ft of load cell cable.



Page 228

### PC1, STAINLESS STEEL



With an environmentally protected seal and stainless steel construction, these load cells are suitable for use in tough industrial environments. Capacities range from 10 kg to 200 kg.



## SINGLE POINTS

### Page 229

### PC3, STAINLESS STEEL



A stainless steel, single point load cell. Has an IP67 rating and is environmentally sealed, making it ideal for harsh environments. Capacities range from 7 kg to 150 kg. Complete with 10 ft of load cell cable.



### Page 230

### PC4, STAINLESS STEEL



Hermetic load cell that is ideal for adverse conditions. Made of stainless steel with a single point design. Capacities from 10 kg to 100 kg are NTEP Certified and OIML approved. Complete with 10 ft of cable.



### Page 231

### PC6, STAINLESS STEEL



Constructed of stainless steel and a real hermetic sealing, these load cells are suitable for tough industrial environments. Includes 3 m of field-replaceable load cell cable to simplify cable and load cell repairs. Capacities range from 20 kg to 200 kg.



### Page 232

### PC7, STAINLESS STEEL



Ideal for washdown applications. Hermetically sealed to IP69K standards, this stainless steel component comes with 3 m of cable and an integrated mounting spacer for easy installation.



### Page 233

### PC2, STAINLESS STEEL



This high-accuracy stainless steel, single-point load cell is an ideal replacement cell for hopper applications with damaged bellows. This cell also features complete hermetic sealing for use in the toughest environments. This product is offered at 150 kg and comes complete with 10 ft of load cell cable.



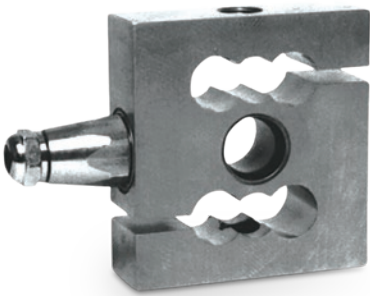
## PLANAR BEAM

### Page 234

### PB, ALUMINUM

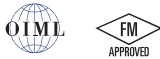


An inexpensive alternative planar beam used in low profile, light capacity applications. The compact size and mV/V per ohm calibration simplifies installation. Capacities range from 15 kg to 150 kg and includes 1.5 m of load cell cable.



Picture is a representation of actual product.

Approvals



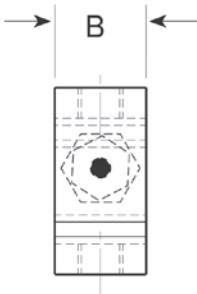
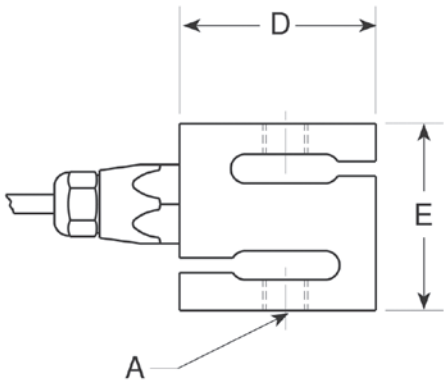
Order Information

| Load Rating                 | Part # | Est. Weight | Price    |
|-----------------------------|--------|-------------|----------|
| 10 kN                       | 17073  | 4 lb        | \$747.00 |
| 20 kN                       | 17074  | 4 lb        | \$747.00 |
| 50 kN                       | 17075  | 13 lb       | \$747.00 |
| Options                     |        |             |          |
| Conduit adapter, 1/2-14 NPT | 17703  | 1 lb        | \$50.00  |

Dimensions

| Rated Capacity | A*         | B    | D    | E    |
|----------------|------------|------|------|------|
| kN/in          |            |      |      |      |
| 10 to 20       | 5/8-18 UNF | 1.18 | 3.38 | 3.62 |
| 50             | 1-12 UNF   | 1.69 | 5.62 | 5.37 |

\*Also available with metric threads



Specifications

- Full Scale Output:**  
2.0 mV/V  
mV/V/ohm calibration
- Output Resistance:**  
1,000 (± 2) ohm
- Input Resistance:**  
1,100 (± 50) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Hermetically sealed, IP69K
- Safe Overload:**  
200% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Nonlinearity:**  
0 to -0.03% full scale
- Hysteresis:**  
0 to +0.05% full scale
- Combined Error:**  
± 0.03%
- Insulation Resistance:**  
10,000 megohm
- Cable Length:**  
20 ft
- Cable Diameter:**  
0.196 in  
Polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield
- Warranty:**  
One-year limited
- Approvals:**  
FM  
OIML



Picture is a representation of actual product.

#### Approvals



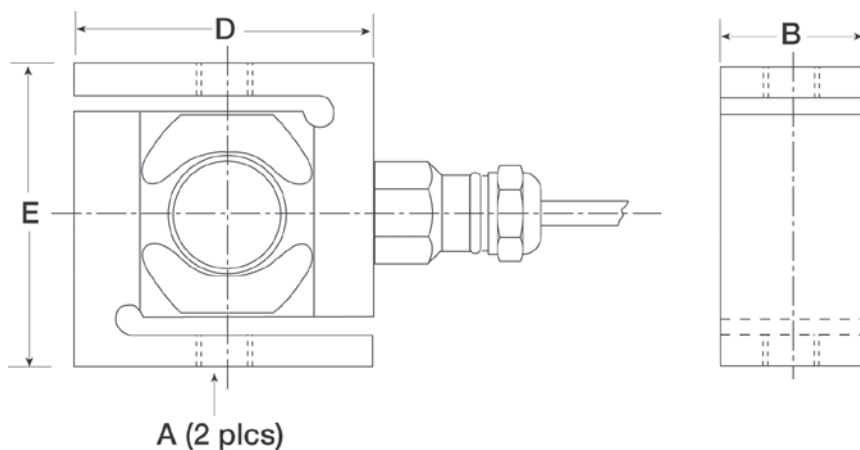
#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1 kN        | 36214  | 3lb         | \$640.00 |
| 2 kN        | 36215  | 3lb         | \$640.00 |
| 5 kN        | 36216  | 3lb         | \$640.00 |

#### Dimensions

| Rated Capacity | A*         | B    | D    | E    |
|----------------|------------|------|------|------|
| kN/in          |            |      |      |      |
| 1 to 5         | 1/2-20 UNF | 1.20 | 2.42 | 2.42 |

\*Also available with metric threads



#### Specifications

**Full Scale Output:**

2.0 mV/V  
mV/V/ohm calibration

**Output Resistance:**

1,000 ( $\pm 2$ ) ohm

**Input Resistance:**

1,100 ( $\pm 50$ ) ohm

**Material/Finish:**

Stainless steel

**Temperature:**

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Hermetically sealed, IP69K

**Safe Overload:**

200% full scale

**Rated Excitation:**

5 to 10 VDC (15 V maximum)

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

5,000 megohm

**Cable Length:**

20 ft

**Cable Diameter:**

0.196 in  
Polyurethane jacket

**Cable Color Code:**

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

**Warranty:**

One-year limited

**Approvals:**

FM  
OIML

SLB

Stainless Steel, Environmentally Sealed, NTEP Certified 1:4,000 Class III Single Cell/1:7,500 Class III Multiple Cell, OIML C3, IP67



Picture is a representation of actual product.

Approvals



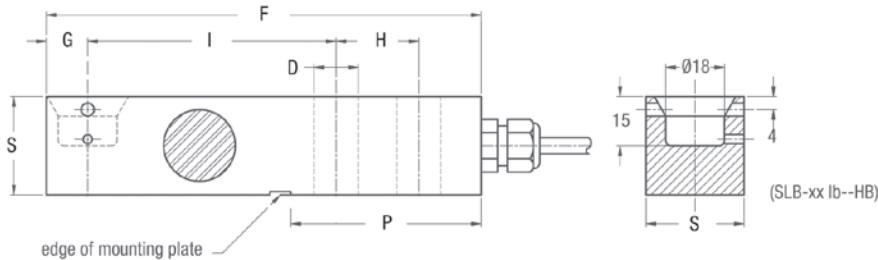
Order Information: Blind Hole

| Load Rating | Part# | Est. Weight | Price    |
|-------------|-------|-------------|----------|
| 200 lb      | 77422 | 3 lb        | \$350.00 |
| 500 lb      | 77423 | 3 lb        | \$350.00 |
| 1,000 lb    | 68527 | 3 lb        | \$350.00 |
| 2,500 lb    | 68528 | 3 lb        | \$350.00 |
| 5,000 lb    | 68529 | 3 lb        | \$350.00 |

Threaded version obsolete

Dimensions

| Rated Capacity | D    | F    | G    | H    | I    | P    | S    |
|----------------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |
| 200 to 5,000   | 0.51 | 5.37 | 0.50 | 1.00 | 3.00 | 2.42 | 1.19 |



Interchangeable Products

FAIRBANKS\*\*  
LCF-HR4050-3

\*Stainless overbraided cable

Specifications

- Full Scale Output:**  
2.0 mV/V  
mV/V/ohm calibration
- Output Resistance:**  
1,000 (± 2) ohm
- Input Resistance:**  
1,100 (± 50) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
200% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Insulation Resistance:**  
5,000 megohm
- Combined Error:**  
0.01% full scale
- Cable Length:**  
10 ft
- Cable Diameter:**  
0.196 in  
Polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield
- Warranty:**  
One-year limited
- Approvals:**  
FM  
NTEP  
OIML



Picture is a representation of actual product.

### Approvals



### Order Information

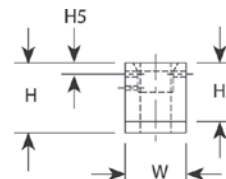
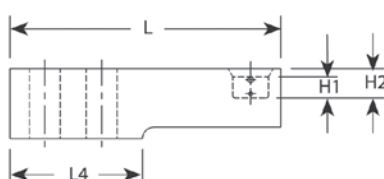
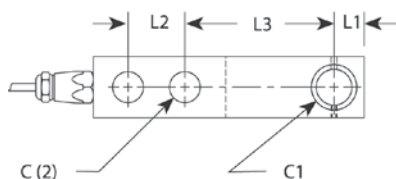
| Load Rating                        | Part # | Est. Weight | Price    |
|------------------------------------|--------|-------------|----------|
| <b>NTEP Certified/OIML</b>         |        |             |          |
| 5 kN                               | 26662  | 4 lb        | \$715.00 |
| 10 kN                              | 26663  | 4 lb        | \$715.00 |
| 23 kN                              | 26664  | 4 lb        | \$715.00 |
| 50 kN                              | 26665  | 7 lb        | \$795.00 |
| <b>Non-NTEP Certified/Non-OIML</b> |        |             |          |
| 5 kN                               | 17390  | 4 lb        | \$652.00 |
| 10 kN                              | 17391  | 4 lb        | \$652.00 |
| 23 kN                              | 17392  | 4 lb        | \$652.00 |
| 50 kN                              | 17393  | 7 lb        | \$715.00 |
| 100 kN                             | 17394  | 17 lb       | \$970.00 |
| <b>Options</b>                     |        |             |          |
| Conduit adapter, 1/2-14 NPT        | 17703  | 1 lb        | \$50.00  |

### 30 ft Cables

| Load Rating                        | Part # | Est. Weight | Price      |
|------------------------------------|--------|-------------|------------|
| <b>NTEP Certified/OIML</b>         |        |             |            |
| 5 kN                               | 100164 | 4 lb        | \$821.00   |
| 10 kN                              | 100165 | 4 lb        | \$821.00   |
| 23 kN                              | 100166 | 4 lb        | \$821.00   |
| 50 kN                              | 100167 | 7 lb        | \$970.00   |
| <b>Non-NTEP Certified/Non-OIML</b> |        |             |            |
| 5 kN                               | 100169 | 4 lb        | \$747.00   |
| 10 kN                              | 100170 | 4 lb        | \$747.00   |
| 23 kN                              | 100171 | 4 lb        | \$747.00   |
| 50 kN                              | 100173 | 7 lb        | \$832.00   |
| 100 kN                             | 100168 | 17 lb       | \$1,033.00 |

### Dimensions

| Rated Capacity | C    | C1   | H    | H1   | H2   | H3   | H5   | L    | L1   | L2   | L3   | L4   | W    |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| kN/in          |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5 to 23        | 0.53 | 0.71 | 1.42 | 0.39 | 0.59 | 1.19 | 0.16 | 6.10 | 0.59 | 1.38 | 3.15 | 2.98 | 1.18 |
| 50             | 0.85 | 0.98 | 1.93 | 0.58 | 0.81 | 1.62 | 0.31 | 7.48 | 0.83 | 1.57 | 4.13 | 3.66 | 1.69 |
| 100            | 1.06 | 1.18 | 2.87 | 0.82 | 1.21 | 2.43 | —    | 9.65 | 1.19 | 1.97 | 5.31 | 4.72 | 2.36 |



### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Paramounts® HE**..... page 36

RICE LAKE WEIGHING SYSTEMS

**Paramounts® HS**..... page 49

### Specifications

#### Full Scale Output:

2.0 mV/V  
mV/V/ohm calibration

#### Output Resistance:

1,000 (± 2) ohm

#### Input Resistance:

1,100 (± 50) ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Hermetically sealed, IP69K

#### Safe Overload:

200% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

± 0.03% full scale

#### Insulation Resistance:

10,000 megohm

#### Deflection at Capacity:

10 kN: 0.012 in  
23 kN: 0.02 in  
50 kN: 0.012 in  
100 kN: 0.016 in

#### Cable Length:

5 to 23 kN: 10 ft  
50 to 100 kN: 15 ft  
Also available in 30 ft.

#### Cable Diameter:

0.196 in  
Polyurethane jacket

#### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

#### Warranty:

One-year limited

#### Approvals:

FM  
NTEP  
OIML



SB5

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, OIML C3, IP67



Picture is a representation of actual product

Approvals



Order Information

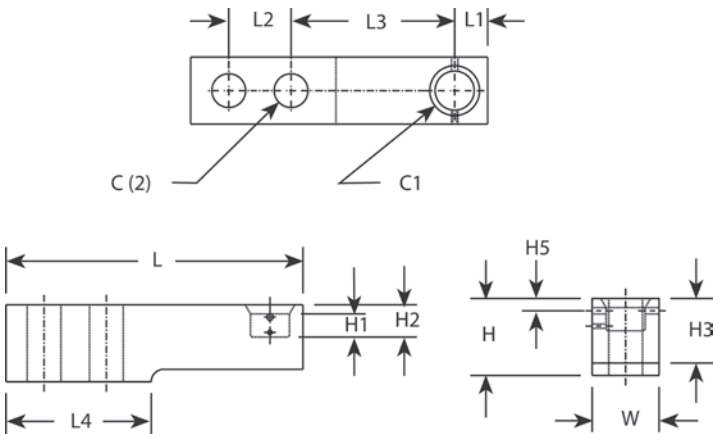
| Load Rating                 | Part # | Est. Weight | Price    |
|-----------------------------|--------|-------------|----------|
| NTEP Certified/OIML         |        |             |          |
| 5 kN                        | 33387  | 3 lb        | \$430.00 |
| 10 kN                       | 33388  | 3 lb        | \$430.00 |
| 20 kN                       | 33389  | 3 lb        | \$430.00 |
| 50 kN                       | 33390  | 7 lb        | \$560.00 |
| Non-NTEP Certified/Non-OIML |        |             |          |
| 100 kN                      | 33391  | 16 lb       | \$853.00 |

30 ft Cables

| Load Rating                 | Part # | Est. Weight | Price    |
|-----------------------------|--------|-------------|----------|
| NTEP Certified/OIML         |        |             |          |
| 5 kN                        | 100174 | 5 lb        | \$487.00 |
| 10 kN                       | 100175 | 5 lb        | \$487.00 |
| 20 kN                       | 100176 | 5 lb        | \$487.00 |
| 50 kN                       | 100177 | 7 lb        | \$720.00 |
| Non-NTEP Certified/Non-OIML |        |             |          |
| 100 kN                      | 100178 | 16 lb       | \$932.00 |

Dimensions

| Rated Capacity | C    | C1   | H    | H1   | H2   | H3   | H5   | L    | L1   | L2   | L3   | L4   | W    |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| kN/in          |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5 to 20        | 0.53 | 0.71 | 1.42 | 0.39 | 0.59 | 1.19 | 0.16 | 6.10 | 0.59 | 1.38 | 3.15 | 2.98 | 1.18 |
| 50             | 0.85 | 0.98 | 1.93 | 0.58 | 0.81 | 1.62 | 0.31 | 7.48 | 0.83 | 1.57 | 4.13 | 3.66 | 1.69 |
| 100            | 1.06 | 1.18 | 2.87 | 0.82 | 1.21 | 2.43 | —    | 9.65 | 1.19 | 1.97 | 5.31 | 4.72 | 2.36 |

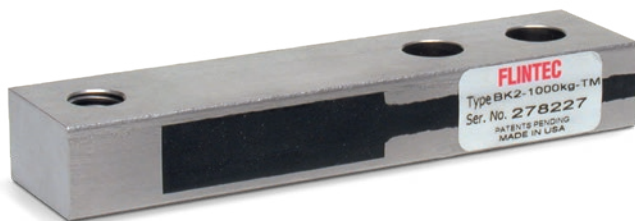


Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
Paramounts® EP.....page 47

Specifications

- Full Scale Output:**  
2.0 mV/V  
mV/V/ohm calibration
- Output Resistance:**  
1,000 (± 2) ohm
- Input Resistance:**  
1,100 (± 50) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
200% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
± 0.03% full scale
- Insulation Resistance:**  
10,000 megohm
- Deflection at Capacity:**  
5 kN: 0.008 in  
10 kN: 0.012 in  
20 kN: 0.02 in  
50 kN: 0.012 in
- Cable Length:**  
5 to 20 kN: 10 ft  
50 to 100 kN: 15 ft  
Also available in 30 ft
- Cable Diameter:**  
0.196 in  
Polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield
- Warranty:**  
One-year limited
- Approvals:**  
FM  
NTEP  
OIML



Picture is a representation of actual product.

#### Approvals



Available  
upon  
request

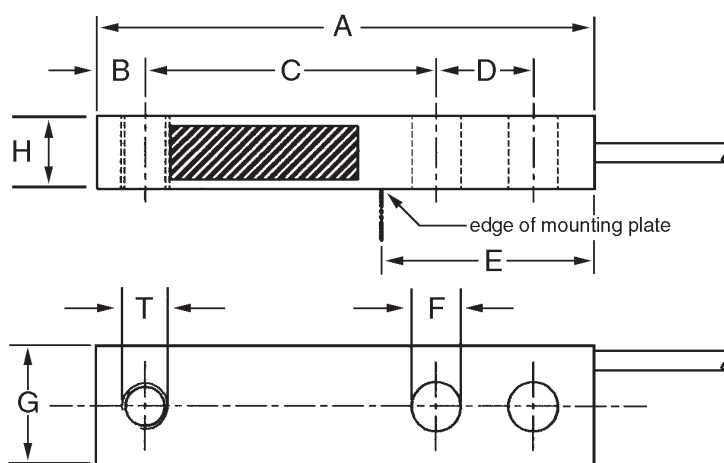
#### Order Information

| Load Rating               | Part #       | Est. Weight | Price    |
|---------------------------|--------------|-------------|----------|
| <b>NTEP Certified</b>     |              |             |          |
| 500 kg                    | <b>84839</b> | 2 lb        | \$243.00 |
| 1,000 kg                  | <b>84840</b> | 2 lb        | \$243.00 |
| 2,000 kg                  | <b>84841</b> | 2 lb        | \$243.00 |
| <b>Non-NTEP Certified</b> |              |             |          |
| 200 kg                    | <b>84838</b> | 2 lb        | \$243.00 |

#### Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F      | G    | H    | T*         |
|----------------|-------|------|------|------|------|--------|------|------|------------|
| kg/mm          |       |      |      |      |      |        |      |      |            |
| 200            | 128.5 | 12.7 | 76.2 | 25.4 | 53.8 | 13(2x) | 31.8 | 16.1 | 1/2-20 UNF |
| 500            | 128.5 | 12.7 | 76.2 | 25.4 | 53.8 | 13(2x) | 31.8 | 16.1 | 1/2-20 UNF |
| 1,000          | 128.5 | 12.7 | 76.2 | 25.4 | 53.8 | 13(2x) | 31.8 | 19.1 | 1/2-20 UNF |
| 2,000          | 130.2 | 12.7 | 76.2 | 25.4 | 53.8 | 13(2x) | 31.8 | 25.4 | 1/2-20 UNF |

\*Metric thread is available



#### Specifications

##### Full Scale Output:

2.0 mV/V  
mV/V/ohm calibration

##### Output Resistance:

1,000 ( $\pm 2$ ) ohm

##### Input Resistance:

1,100 ( $\pm 50$ ) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

200% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VAC/DC (15 V maximum)

##### Combined Error:

0.030%

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

10 ft  
Also available in 30 ft

##### Cable Diameter:

0.196 in  
Polyurethane jacket

##### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

##### Warranty:

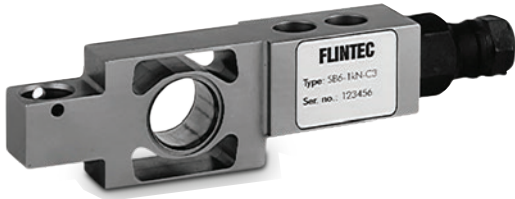
One-year limited

##### Approvals:

NTEP  
EX  
OIML (Available upon request)

SB6

Stainless Steel, Hermetically Sealed, OIML C3, IP68



Picture is a representation of actual product.

Approvals

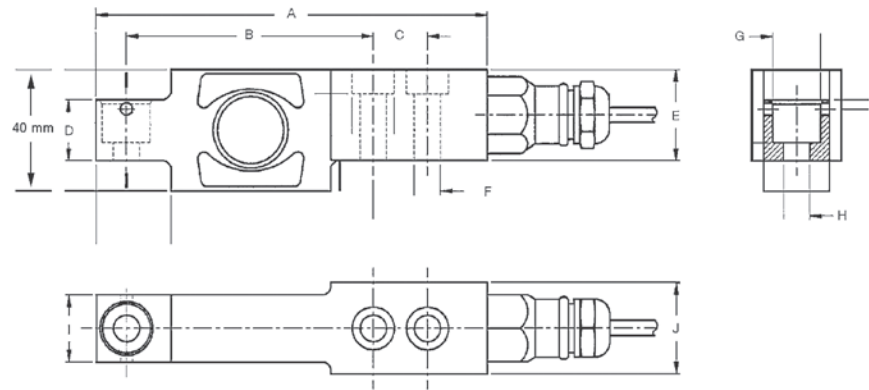


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 0.2 kN      | 41163  | 3 lb        | \$556.00 |
| 0.5 kN      | 41164  | 3 lb        | \$556.00 |
| 1 kN        | 41165  | 3 lb        | \$556.00 |
| 2 kN        | 41166  | 3 lb        | \$556.00 |

Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F   | G    | H   | I    | J    |
|----------------|-------|------|------|------|------|-----|------|-----|------|------|
| kN/mm          |       |      |      |      |      |     |      |     |      |      |
| 0.2 to 2       | 130.0 | 82.0 | 18.0 | 20.0 | 30.0 | 8.7 | 16.0 | 8.7 | 22.0 | 30.0 |



Specifications

- Full Scale Output:**  
2.0 mV/V  
mV/V/ohm calibration
- Output Resistance:**  
1,000 (± 2) ohm
- Input Resistance:**  
1,100 (± 50) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Hermetically sealed, IP68
- Safe Overload:**  
200% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.01% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
10 ft
- Cable Diameter:**  
0.196 in  
Polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield
- Warranty:**  
One-year limited
- Approvals:**  
FM  
OIML

**Discontinued**  
Limited Stock Available



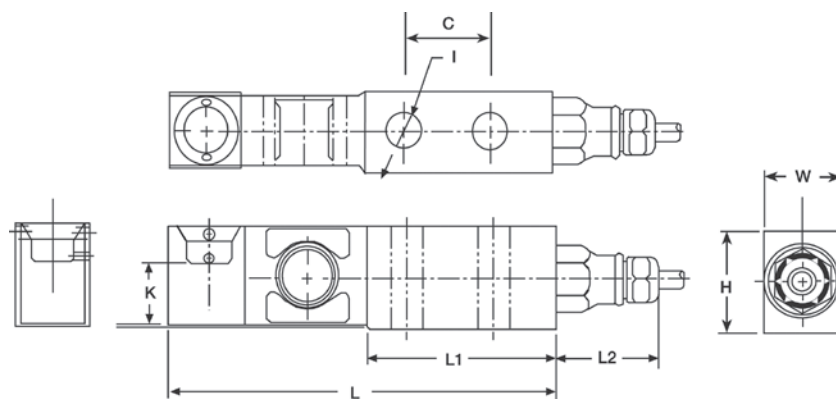
Picture is a representation of actual product.

## Dimensions

| Rated Capacity | L    | L1   | L2   | H    | W    | I    | K    | C    |
|----------------|------|------|------|------|------|------|------|------|
| kN/in          |      |      |      |      |      |      |      |      |
| 2.3            | 6.10 | 2.98 | 1.60 | 1.58 | 0.59 | 0.54 | 0.99 | 1.39 |

## Order Information

| Load Rating                 | Part #       | Est. Weight | Price      |
|-----------------------------|--------------|-------------|------------|
| 2.3 kN                      | <b>38215</b> | 4 lb        | \$1,075.00 |
| <b>Options</b>              |              |             |            |
| Conduit adapter, 1/2-14 NPT | <b>17703</b> | 1 lb        | \$50.00    |



## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Paramounts® HE**..... page 36

RICE LAKE WEIGHING SYSTEMS

**Paramounts® HS**..... page 49

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

1,000 (± 2) ohm

### Input Resistance:

1,100 (± 50) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range

0° F to 150° F (-18° C to 65° C)

### Seal Type:

Hermetically sealed, IP69K

### Safe Overload:

200% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0 to -0.03% full scale

### Hysteresis:

0 to +0.05% full scale

### Insulation Resistance:

10,000 megohms

### Deflection at Capacity:

0.008 in

### Cable Length:

10 ft

### Cable Diameter:

0.196 in polyurethane jacket

### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

### Warranty:

One-year limited warranty

### Approvals:

OIML



SB14

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP69K



Picture is a representation of actual product.

Approvals



Available upon request

Order Information-CU Version\*

| Load Rating | Part# | Est. Weight | Price    |
|-------------|-------|-------------|----------|
| 500 lb      | 41167 | 3 lb        | \$493.00 |
| 1,000 lb    | 41168 | 3 lb        | \$493.00 |
| 2,500 lb    | 41169 | 3 lb        | \$493.00 |
| 5,000 lb    | 41170 | 3 lb        | \$493.00 |

\*CU versions have a counterbore/unified thread 1/2-20UNF

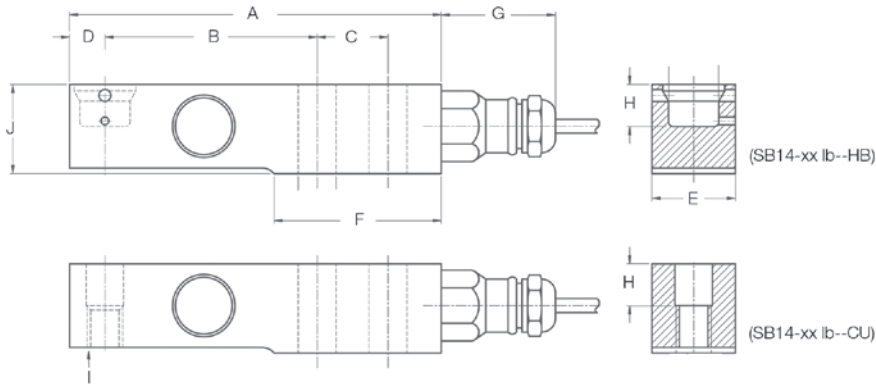
Order Information-HB Version\*\*

| Load Rating | Part#  | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 500 lb      | 119556 | 3 lb        | \$493.00 |
| 1,000 lb    | 119557 | 3 lb        | \$493.00 |
| 2,500 lb    | 119558 | 3 lb        | \$493.00 |
| 5,000 lb    | 119559 | 3 lb        | \$493.00 |

\*\*HB versions have a blind load hole

Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | I          | J    |
|----------------|------|------|------|------|------|------|------|------|------------|------|
| lb/in          |      |      |      |      |      |      |      |      |            |      |
| 500-5,000      | 5.25 | 3.00 | 1.00 | 0.50 | 1.18 | 2.35 | 1.61 | 0.59 | 1/2-20 UNF | 1.22 |



Interchangeable Products

FAIRBANKS®  
LCF-HR4060-XX

Specifications

- Full Scale Output:**  
2.0 mV/V  
mV/V/ohm calibration
- Output Resistance:**  
1,000 (± 2) ohm
- Input Resistance:**  
1,100 (± 50) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Hermetically sealed, IP69K
- Safe Overload:**  
200% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Insulation Resistance:**  
5,000 megohm
- Combined Error:**  
± 0.03% full scale
- Cable Length:**  
10 ft
- Cable Diameter:**  
0.196 in  
Polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield
- Warranty:**  
One-year limited
- Approvals:**  
FM  
NTEP  
OIML (Available upon request)

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Multiple Cell, OIML C3, IP68



Picture is a representation of actual product.

## Approvals



## Order Information

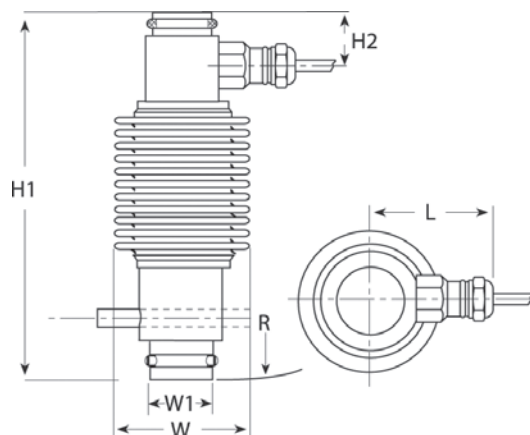
| Load Rating                     | Part # | Est. Weight | Price      |
|---------------------------------|--------|-------------|------------|
| 250 kN*                         | 36217  | 8 lb        | \$858.00   |
| 400 kN                          | 36218  | 10 lb       | \$1,457.00 |
| 50,000 lb**                     | 170734 | 8 lb        | \$1,075.00 |
| <b>Accessories</b>              |        |             |            |
| Conduit adapter, 1/2-14 NPT     | 17703  | 1 lb        | \$50.00    |
| Load cup**, upper (250 kN only) | 71602  | —           | \$195.00   |
| Load cup**, lower (250 kN only) | 44290  | —           | \$195.00   |
| Anti-rotation pin               | 214044 | —           | \$10.00    |

\*For Mettler-Toledo® digital to analog conversion: requires replacement of all system load cells, junction box, and instrumentation; consult factory. Kit on page 88.

\*\*1,000ohm bridge

## Dimensions

| Rated Capacity | H1   | H2   | L    | R     | W    | W1   |
|----------------|------|------|------|-------|------|------|
| kN/in          |      |      |      |       |      |      |
| 250            | 7.56 | 1.22 | 2.44 | 10.98 | 2.83 | 1.46 |
| 400            | 8.86 | 1.34 | 2.72 | 14.02 | 3.35 | 1.46 |
| 50,000 lb      | 7.56 | 1.22 | 2.44 | 10.98 | 2.83 | 1.46 |



## Interchangeable Products

FAIRBANKS®

63215 LCF-HR4020-1

FAIRBANKS®

82052

## Specifications

## Full Scale Output:

2.0 mV/V  
mV/V/ohm calibration

## Output Resistance:

351 (± 1) ohm  
P/N 170734 1,000 (± 2) ohm

## Input Resistance:

400 (± 15) ohm  
P/N 170734 1,100 (± 50) ohm

## Material/Finish:

Stainless steel

## Temperature:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

## Seal Type:

Hermetically sealed, IP68

## Safe Overload:

200% full scale

## Safe Sideload:

100% full scale

## Rated Excitation:

5 to 10 VDC (15 V maximum)

## Combined Error:

± 0.02% full scale

## Insulation Resistance:

5,000 megohm

## Cable Length:

250 kN: 35 ft  
400 kN: 60 ft  
50,000 lb: 15 ft overbraid

## Cable Diameter:

0.196 in  
Polyurethane jacket

## Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

## Warranty:

One-year limited

## Approvals:

FM  
NTEP  
OIML





Picture is a representation of actual product.

#### Approvals



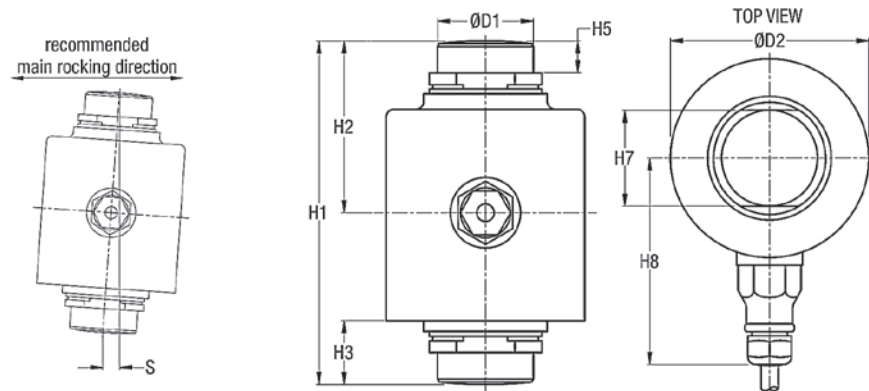
#### Order Information

| Load Rating                      | Part #        | Est. Weight | Price      |
|----------------------------------|---------------|-------------|------------|
| 7.5 t                            | <b>168944</b> | 3 lb        | \$795.00   |
| 15 t                             | <b>168946</b> | 3 lb        | \$795.00   |
| 22.5 t                           | <b>168947</b> | 3 lb        | \$795.00   |
| 30 t                             | <b>84203</b>  | 7 lb        | \$1,007.00 |
| 40 t                             | <b>84204</b>  | 9 lb        | \$1,007.00 |
| 50 t                             | <b>84205</b>  | 10 lb       | \$1,282.00 |
| <b>Options</b>                   |               |             |            |
| Upper cup (50 t) alloy steel     | <b>111365</b> | 5 lb        | \$195.00   |
| Lower cup (50 t) alloy steel     | <b>111366</b> | 5 lb        | \$195.00   |
| Upper cup (50 t) stainless steel | <b>154107</b> | 5 lb        | \$181.00   |
| Lower cup (50 t) stainless steel | <b>154106</b> | 5 lb        | \$181.00   |

The kits for the RC3 cells are on page 89. Cups 111365 and 111366 are used in kits 129844 and 111367. Cups 154107 and 154106 are used in kits 154347, 154348 and 154349.

#### Dimensions

| Rated Capacity | H1   | H2   | H3   | H5   | H7   | H8   | D1   | D2   |
|----------------|------|------|------|------|------|------|------|------|
| t/in           |      |      |      |      |      |      |      |      |
| 7.5 to 22.5    | 3.50 | 1.73 | 0.67 | 0.43 | 1.10 | 2.95 | 1.10 | 2.56 |
| 30             | 5.51 | 2.76 | 1.20 | 0.51 | 1.55 | 3.31 | 1.55 | 3.19 |
| 40             | 5.91 | 2.95 | 1.22 | 0.51 | 1.55 | 3.31 | 1.55 | 3.19 |
| 50             | 7.01 | 3.50 | 1.26 | 0.67 | 1.73 | 3.71 | 1.73 | 3.90 |



#### Interchangeable Products

FAIRBANKS®

**30 t 70510 LCF-HR4020-2A**

#### Specifications

##### Full Scale Output:

2.0 mV/V  
mV/V/ohm calibration

##### Output Resistance:

1,000 (± 2) ohm

##### Input Resistance:

1,150 (± 50) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Hermetically sealed, IP69K

##### Safe Overload:

200% full scale

##### Safe Sideload:

200% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

7.5 to 22.5 t: 40 ft  
30 to 50 t: 18 m

##### Cable Diameter:

0.307 in  
Polyurethane jacket

##### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

##### Warranty:

One-year limited

##### Approvals:

FM  
NTEP  
OIML



Picture is a representation of actual product.

#### Approvals

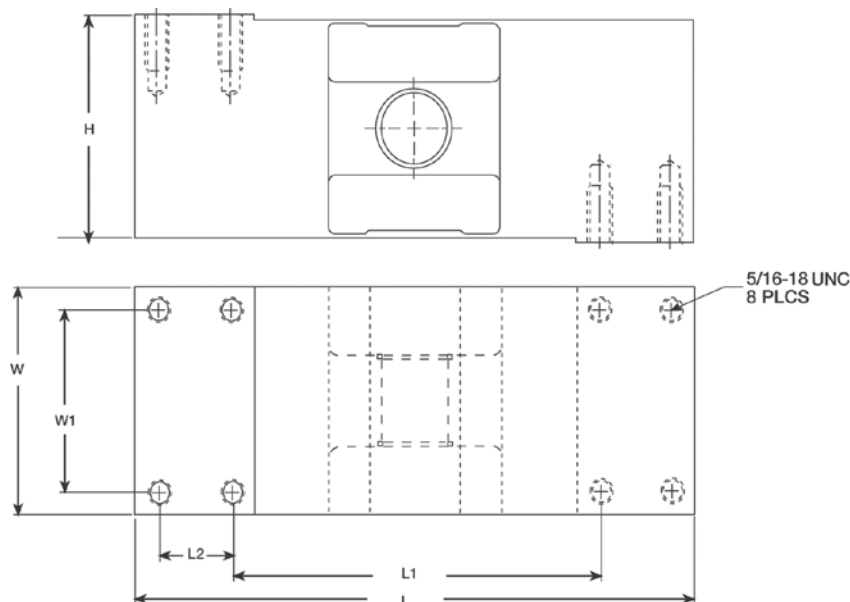


#### Order Information

| Load Rating                 | Part # | Est. Weight | Price    |
|-----------------------------|--------|-------------|----------|
| 50 kg                       | 45274  | 15 lb       | \$900.00 |
| 100 kg                      | 45275  | 15 lb       | \$900.00 |
| 250 kg                      | 45276  | 15 lb       | \$900.00 |
| 500 kg                      | 45277  | 15 lb       | \$900.00 |
| 1,000 kg                    | 45278  | 15 lb       | \$900.00 |
| <b>Options</b>              |        |             |          |
| Conduit adapter, 1/2-14 NPT | 17703  | 1 lb        | \$50.00  |

#### Dimensions

| Rated Capacity | L     | L1    | L2   | W    | W1   | H    |
|----------------|-------|-------|------|------|------|------|
| kg/mm          |       |       |      |      |      |      |
| 50 to 1,000    | 190.5 | 124.8 | 24.9 | 74.9 | 59.9 | 74.9 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLPWM12**..... page 171

RICE LAKE WEIGHING SYSTEMS

**RL1250\***

VPG TEDEA-HUNTLEIGH®

**1250\***..... page 334

\* Environmentally sealed

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

960 (± 50) ohm

##### Input Resistance:

1,100 (± 50) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Hermetically sealed, IP69K

##### Safe Overload:

200% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (20 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

0.015 in

##### Cable Length:

10 ft

##### Cable Diameter:

0.196 in

Polyurethane jacket

##### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

##### Max Platform Size:

39 × 39 in

##### Warranty:

One-year limited

##### Approvals:

FM

NTEP

OIML



Picture is a representation of actual product.

Approvals

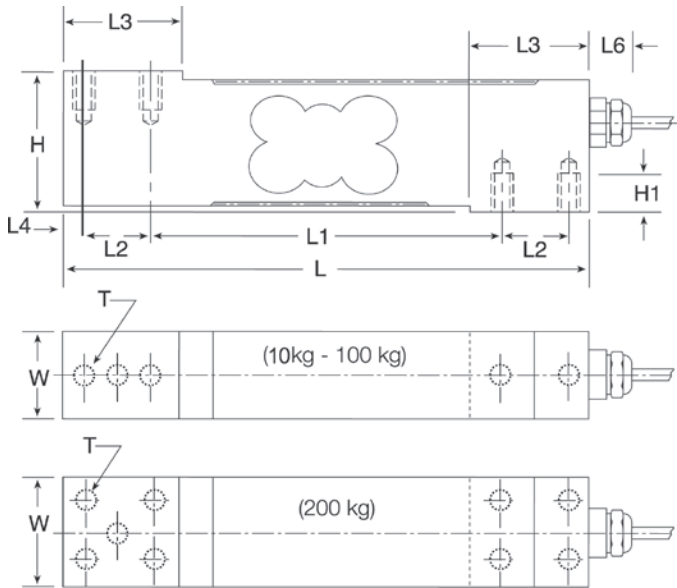


Order Information

| Load Rating        | Part # | Est. Weight | Price    |
|--------------------|--------|-------------|----------|
| NTEP Certified     |        |             |          |
| 10 kg              | 41821  | 3 lb        | \$328.00 |
| 15 kg              | 36219  | 3 lb        | \$328.00 |
| 30 kg              | 36220  | 3 lb        | \$328.00 |
| 50 kg              | 36221  | 3 lb        | \$328.00 |
| 75 kg              | 36222  | 3 lb        | \$328.00 |
| Non-NTEP Certified |        |             |          |
| 100 kg             | 36223  | 3 lb        | \$328.00 |
| 200 kg             | 36224  | 4 lb        | \$492.00 |

Dimensions

| Rated Capacity | H    | H1   | L     | L1    | L2   | L3   | L4  | L6   | W    | T                   |
|----------------|------|------|-------|-------|------|------|-----|------|------|---------------------|
| kg/mm          |      |      |       |       |      |      |     |      |      |                     |
| 10 to 100      | 40.0 | 10.0 | 150.0 | 100.0 | 19.0 | 32.0 | 6.0 | 20.0 | 25.4 | 1/4-20 UNC x 19.1DP |
| 200            | 40.0 | 10.0 | 150.0 | 100.0 | 19.0 | 32.0 | 6.0 | 20.0 | 38.1 | 1/4-20 UNC x 19.1DP |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1385.....page 177

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

330 (± 25) ohm

Input Resistance:

390 (± 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.196 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Max Platform Size:

18 x 18 in

Warranty:

One-year limited

Approvals:

FM

NTEP

OIML



Picture is a representation of actual product.

#### Approvals

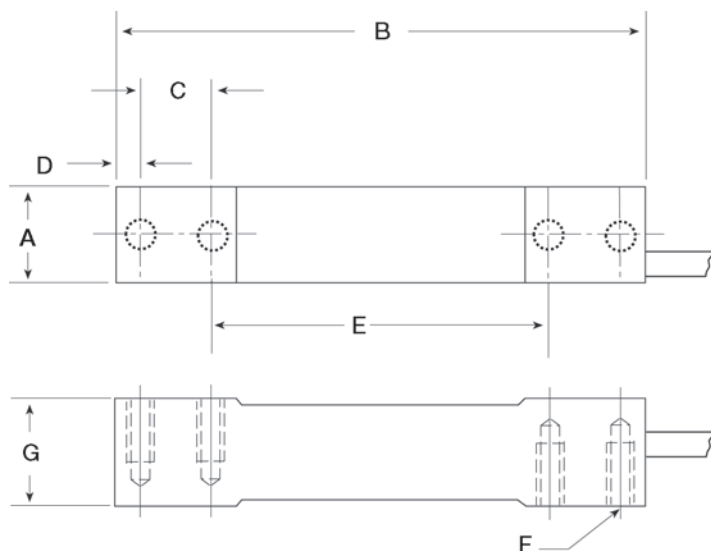


#### Order Information

| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 7 kg        | <b>202686</b> | 2 lb        | \$328.00 |
| 10 kg       | <b>202687</b> | 2 lb        | \$328.00 |
| 30 kg       | <b>202688</b> | 2 lb        | \$328.00 |
| 60 kg       | <b>202689</b> | 2 lb        | \$328.00 |
| 100 kg      | <b>202690</b> | 2 lb        | \$328.00 |
| 150 kg      | <b>202691</b> | 2 lb        | \$328.00 |

#### Dimensions

| Rated Capacity | A    | B     | C    | D   | E    | F          | G    |
|----------------|------|-------|------|-----|------|------------|------|
| kg/mm          |      |       |      |     |      |            |      |
| 7 to 10        | 18.2 | 140.0 | 19.0 | 6.4 | 88.9 | 1/4-20 UNC | 30.0 |
| 30 to 60       | 24.5 | 140.0 | 19.0 | 6.4 | 88.9 | 1/4-20 UNC | 30.0 |
| 100 to 150     | 30.8 | 140.0 | 22.4 | 7.8 | 79.3 | 3/8-16 UNC | 30.0 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1380**..... page 176

HBK

**PWS**..... page 243

#### Specifications

##### Full Scale Output:

2 mV/V

##### Output Resistance:

350 (± 10) ohm

##### Input Resistance:

385 (± 15) ohm

##### Material Finish:

Stainless Steel

##### Temperature Compensation:

Compensated Range

14 °F to 104 °F (-10 °C to 40 °C)

Operating Range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally Sealed, IP67

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC

##### Insulation Resistance:

5,000 megohm

##### Max Platform Size:

7 to 30 kg: 350 × 350 mm

60 to 150 kg: 450 × 450 mm

##### Combined Error:

0.02% full scale

##### Cable Length:

10 ft

##### Cable Diameter:

0.140 in

Polyurethane jacket

##### Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

##### Warranty:

One-year limited

##### Approvals:

FM

NTEP

OIML



Picture is a representation of actual product.

Approvals

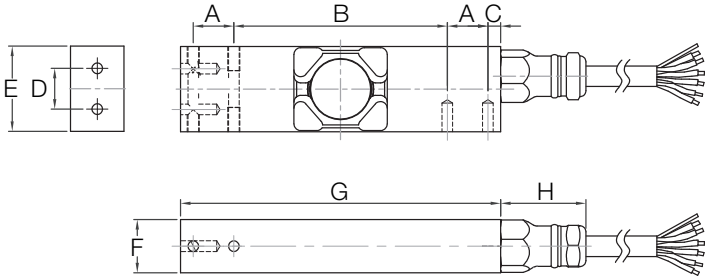


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 10 kg       | 202692 | 3 lb        | \$630.00 |
| 20 kg       | 202693 | 3 lb        | \$630.00 |
| 50 kg       | 202694 | 3 lb        | \$630.00 |
| 100 kg      | 202695 | 3 lb        | \$630.00 |

Dimensions

| Rated Capacity | A    | B     | C   | D    | E    | F    | G     | H    |
|----------------|------|-------|-----|------|------|------|-------|------|
| kg/mm          |      |       |     |      |      |      |       |      |
| 10 to 100      | 19.0 | 100.0 | 6.0 | 19.1 | 40.0 | 25.0 | 150.0 | 40.0 |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLPWM15HE.....page 165

HBK

PW15AH\* .....page 242

\*350 Ohm

Specifications

Full Scale Output:

2 mV/V

Output Resistance:

960 (± 50) ohm

Input Resistance:

1100 (± 50) ohm

Material Finish:

Stainless Steel

Temperature Compensation:

Compensated Range

14 °F to 104 °F (-10 °C to 40 °C)

Operating Range

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Insulation Resistance:

> 5,000 megohm

Max Platform Size:

500 × 400 mm

Combined Error:

0.02% full scale

Cable Length:

10 ft

Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Blue +Sense

Brown -Sense

Yellow Shield

Warranty:

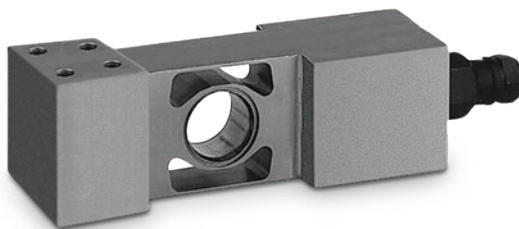
One-year limited

Approvals:

FM

NTEP

OIML



Picture is a representation of actual product.

#### Approvals

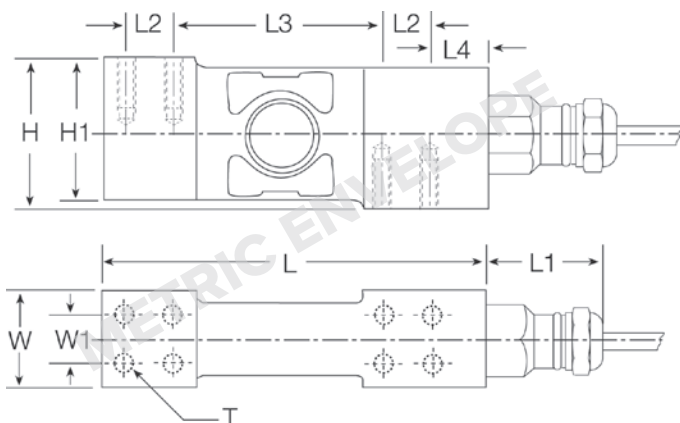


#### Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 20 kg       | <b>36225</b> | 3 lb        | \$640.00 |
| 50 kg       | <b>36226</b> | 3 lb        | \$640.00 |
| 100 kg      | <b>36227</b> | 3 lb        | \$640.00 |
| 200 kg      | <b>36228</b> | 3 lb        | \$640.00 |

#### Dimensions

| Rated Capacity | H    | H1   | L     | L1   | L2   | L3   | L4   | W    | W1   | T            |
|----------------|------|------|-------|------|------|------|------|------|------|--------------|
| kg/mm          |      |      |       |      |      |      |      |      |      |              |
| 20 to 200      | 48.0 | 45.5 | 123.0 | 41.0 | 15.2 | 67.6 | 17.8 | 30.1 | 15.2 | 8 × M6/15 DP |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLPC6** ..... page 164

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

960 (± 50) ohm

##### Input Resistance:

1,100 (± 50) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Hermetically sealed, IP69K

##### Safe Overload:

200% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

3 m

##### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

##### Max Platform Size:

24 × 24 in

##### Warranty:

One-year limited

##### Approvals:

FM

NTEP

OIML





Picture is a representation of actual product.

Approvals

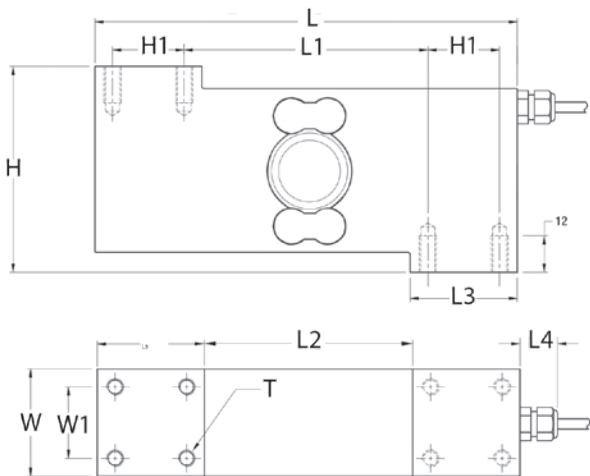


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 100 kg      | 161719 | 6 lb        | \$742.00 |
| 250 kg      | 161720 | 6 lb        | \$742.00 |
| 500 kg      | 161721 | 6 lb        | \$742.00 |

Dimensions

| Rated Capacity | H    | H1   | L    | L1   | L2   | L3   | L4   | W    | W1   | T  |
|----------------|------|------|------|------|------|------|------|------|------|----|
| kg/in          |      |      |      |      |      |      |      |      |      |    |
| 100 to 500     | 2.88 | 1.00 | 5.91 | 3.41 | 2.92 | 1.50 | 0.63 | 1.50 | 1.00 | M8 |



Interchangeable Products

VPG TEDEA-HUNTLEIGH®  
1510..... page 336

Specifications

- Full Scale Output:**  
2 mV/V ±5%
- Output Resistance:**  
350 (± 10) ohm
- Input Resistance:**  
380 (± 20) ohm
- Material/Finish:**  
Stainless steel construction with electro-polished finish
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Hermetically sealed, IP69K
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 15 VDC
- Insulation Resistance:**  
5,000 megohm
- Max Platform Size:**  
Up to 600 × 600 mm
- Cable Length:**  
3 m
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Blue +Sense  
Brown -Sense  
Yellow Shield
- Warranty:**  
One-year limited
- Approvals:**  
OIML

FLINTEC



Picture is a representation of actual product.

### Approvals

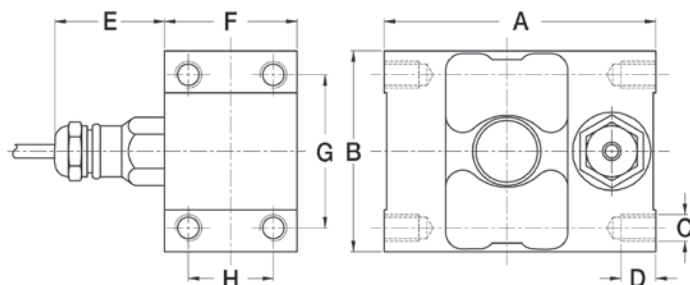


### Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 150 kg      | 41176  | 2lb         | \$1,160.00 |

### Dimensions

| Rated Capacity | A     | B    | C   | D    | E    | F    | G    | H    |
|----------------|-------|------|-----|------|------|------|------|------|
| kg/mm          |       |      |     |      |      |      |      |      |
| 150            | 101.6 | 75.0 | M10 | 13.0 | 41.0 | 49.5 | 57.2 | 31.8 |



### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

960 ( $\pm 50$ ) ohm

#### Input Resistance:

1,100 ( $\pm 50$ ) ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Hermetically sealed, IP68

#### Safe Overload:

200% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Insulation Resistance:

5,000 megohm

#### Combined Error:

0.02% full scale

#### Cable Length:

10 ft

#### Cable Diameter:

0.196 in  
Polyurethane jacket

#### Cable Color Code:

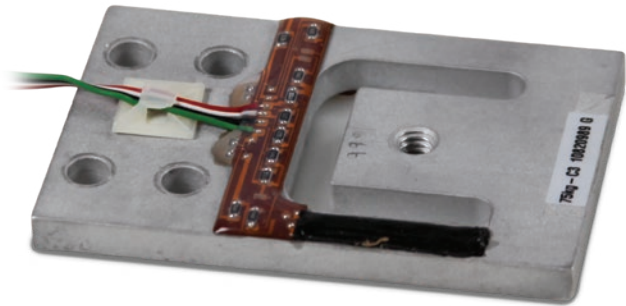
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Blue +Sense  
Brown -Sense  
Yellow Shield

#### Warranty:

One-year limited

#### Approvals:

FM

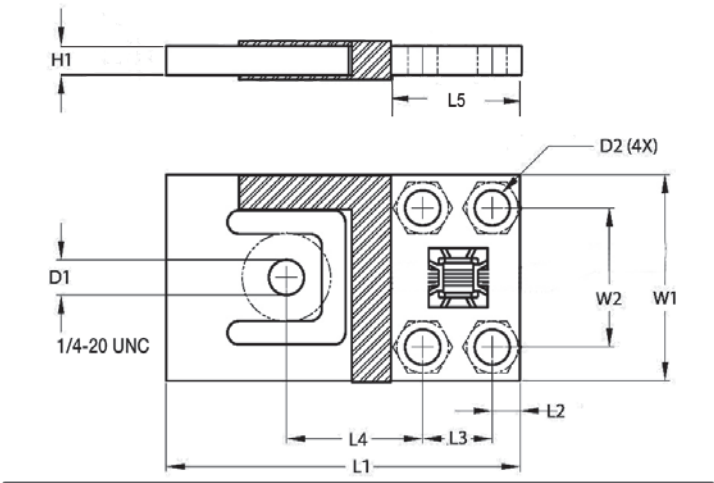


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 15 kg       | 96361  | 1 lb        | \$85.00  |
| 37.5 kg     | 96362  | 1 lb        | \$90.00  |
| 75 kg       | 96363  | 1 lb        | \$96.00  |
| 150 kg      | 96364  | 1 lb        | \$108.00 |

Dimensions

| Rated Capacity | L1    | L2  | L3   | L4   | L5   | W1   | W2   | H1  | D1  | D2  | Deflection (mm)<br>at E max |
|----------------|-------|-----|------|------|------|------|------|-----|-----|-----|-----------------------------|
| kg/mm          |       |     |      |      |      |      |      |     |     |     |                             |
| 15             | 70.0  | 4.9 | 14.0 | 28.0 | 23.7 | 39.0 | 27.8 | 4.1 | 7.6 | 5.1 | 0.3                         |
| 37.5           | 76.2  | 6.0 | 15.0 | 29.3 | 27.0 | 44.5 | 30.0 | 4.8 | 7.6 | 6.6 | 0.4                         |
| 75             | 84.4  | 6.4 | 15.0 | 34.0 | 27.7 | 54.8 | 30.0 | 6.4 | 7.6 | 6.6 | 0.4                         |
| 150            | 107.3 | 7.8 | 22.9 | 45.9 | 38.4 | 69.9 | 44.5 | 7.9 | 9.1 | 8.1 | 0.6                         |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
RLBLP .....page 184

Specifications

- Full Scale Output:**  
1 mV/V  
mV/V/ohm calibration
- Output Resistance:**  
1,000 (± 10) ohm
- Input Resistance:**  
1,180 (± 50) ohm
- Material/Finish:**  
Aluminum
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP65
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC
- Combined Error:**  
0.060% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
1.5 m
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield
- Warranty:**  
One-year limited

### SINGLE-ENDED BEAMS

Page 236

#### H35, STAINLESS STEEL



Offers all stainless steel construction, an integral mounting foot as well as dimensional and electrical interchangeability with several load cell manufacturers. Capacities range from 500 lb to 5,000 lb. Each cell comes with 20 ft of load cell cable.



Page 237

#### BBS, ALLOY STEEL



Low-cost bending beam load cell designed for precision force and weight measurement. Features excellent performance and protection against adverse environments, alloy and stainless steel sensing elements, and low mounting sensitivity. Capacities range from 50 lb to 7,500 lb. Complete with 10 ft of load cell cable.



Page 238

#### Z6, STAINLESS STEEL



Featuring stainless steel and a welded seal, this bending beam load cell is ideal for harsh or caustic environments and washdown applications. Capacities range from 5 kg to 200 kg. Complete with 10 ft of load cell cable.



### ROCKER COLUMN

Page 239

#### C16A, STAINLESS STEEL



A rocker column load cell specifically designed for high-capacity weighing in the harshest environments. Ideal for truck scale applications, it features all stainless steel construction with IP68 hermetic sealing. Easy to install and maintain. Available in capacities ranging from 20 t to 60 t and includes 12 m of load cell cable.



### SINGLE POINTS

Page 240

#### SP4M, ALUMINUM



Low-profile, off-center load cell designed for use in retail, postal and platform scale applications. Manufactured from aluminum, and is movement compensated for guaranteed accuracy. Protected by a quality gauge coating compound that provides a barrier against high humidity environments. Capacities range from 3 kg to 100 kg, and comes standard with 10 ft of load cell cable.



Page 241

#### PW15, STAINLESS STEEL



A stainless steel, single point load cell with capacities ranging from 15 kg to 150 kg. Ideal for platform, hanging scale and other low capacity beam applications. Complete with 10 ft of load cell cable.



Page 242

#### PW15AH, STAINLESS STEEL



The new standard for hermetically sealed, single-point load cells. A unique sealing process guarantees moisture protection from high-pressure jets. IP69K rated and available in 10, 20, 50 and 100 kg capacities.



Page 243

#### PWS, STAINLESS STEEL



A single-point cell, constructed of stainless steel and designed for performance in harsh, high-shock load environments. Ideal for platform scales as well as packaging and process weighing equipment. Capacities range from 7 kg to 150 kg. Complete with 10 ft of load cell cable.





Picture is a representation of actual product.

#### Approvals

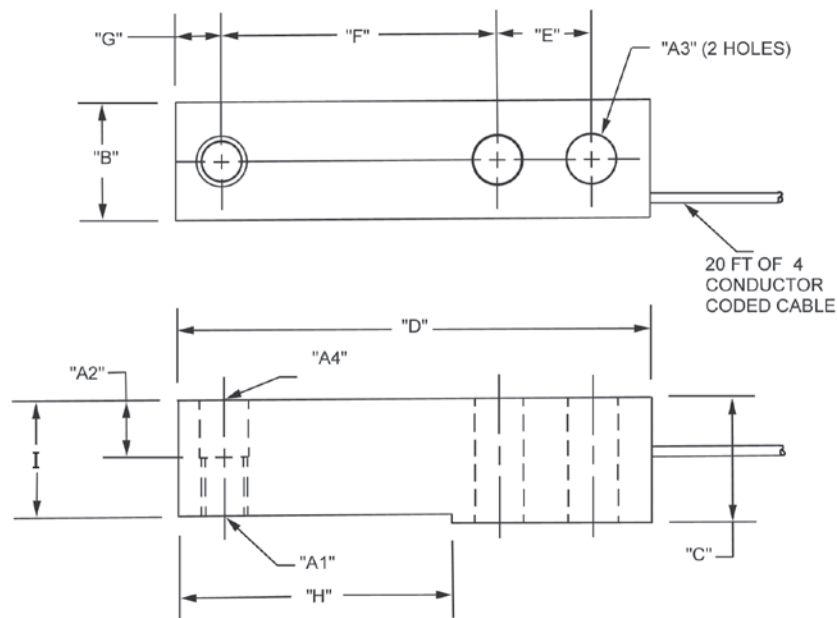


#### Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 500 lb      | <b>84818</b> | 3 lb        | \$389.00 |
| 1,000 lb    | <b>64876</b> | 3 lb        | \$389.00 |
| 2,500 lb    | <b>64877</b> | 3 lb        | \$389.00 |
| 4,000 lb    | <b>64878</b> | 3 lb        | \$389.00 |
| 5,000 lb    | <b>64879</b> | 3 lb        | \$389.00 |

#### Dimensions

| Rated Capacity | A1            | A2   | A3   | A4   | B    | C    | D    | E    | F    | G    | H    | I    |
|----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |               |      |      |      |      |      |      |      |      |      |      |      |
| 500 to 5,000   | 1/2-20 UNF-2B | 0.62 | 0.53 | 0.53 | 1.21 | 1.19 | 5.12 | 1.00 | 3.00 | 0.50 | 2.85 | 1.12 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLH35** .....page 122

METTLER TOLEDO®

**500 lb-8 ft cable**..... TB601019-008

**1,000 lb-20 ft cable** ..... TB601016-020

**2,500 lb-8 ft cable**..... TB601016-008

**4,000 lb-20 ft cable**..... TB601017-020

**5,000 lb-8 ft cable** ..... TB601018-008

METTLER TOLEDO

**500 lb**..... TB600830-020

METTLER TOLEDO

**1,000 lb**..... TB600831-020

METTLER TOLEDO

**2,000 lb** ..... TB600832-020

METTLER TOLEDO

**2,500 lb**..... TB600833-020

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

385 ohm nominal

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Welded-seal, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 V DC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

20 ft

##### Cable Diameter:

0.190 in

Polyurethane jacket

##### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

##### Warranty:

One-year limited

##### Approvals:

FM

NTEP



Picture is a representation of actual product.

### Approvals

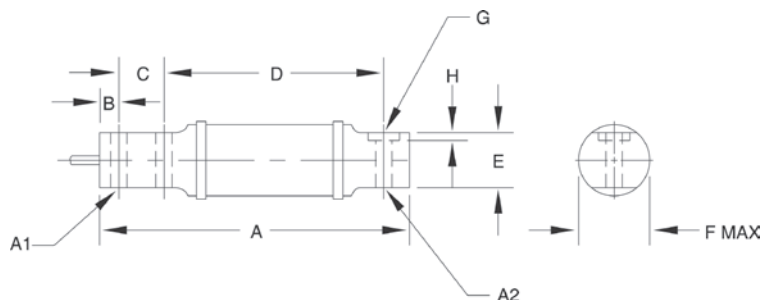


### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 lb       | 17352  | 3 lb        | \$975.00 |
| 100 lb      | 17353  | 3 lb        | \$975.00 |
| 200 lb      | 17354  | 3 lb        | \$975.00 |
| 250 lb      | 17355  | 3 lb        | \$975.00 |
| 500 lb      | 17356  | 3 lb        | \$975.00 |
| 1,000 lb    | 17357  | 3 lb        | \$975.00 |

### Dimensions

| Rated Capacity | A    | A1   | A2   | B    | C    | D    | E    | F    | G | H |
|----------------|------|------|------|------|------|------|------|------|---|---|
| lb/in          |      |      |      |      |      |      |      |      |   |   |
| 50 to 100      | 6.00 | 0.31 | 0.31 | 0.38 | 0.88 | 4.25 | 1.06 | 1.25 | — | — |
| 200 to 1,000   | 6.63 | 0.51 | 0.51 | 0.50 | 1.12 | 4.25 | 1.06 | 1.25 | — | — |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL40BBS** ..... page 133

VPG® SENSORTRONICS

**60007**

VPG® BLH

**LBG1**

FAIRBANKS®

**3-481XX-1, 3-486XX-1**

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

750 (± 15) ohm

#### Input Resistance:

375 (± 10) ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP65

#### Safe Overload:

150% full scale

#### Safe Sideload:

50% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Nonlinearity:

0.03% full scale

#### Hysteresis:

0.03% full scale

#### Insulation Resistance:

1,000 megohm

#### Deflection at Capacity:

50 lb: 0.015 in  
100 lb: 0.025 in  
200 to 250 lb: 0.030 in  
500 lb: 0.020 in  
1,000 lb: 0.040 in

#### Cable Length:

10 ft

#### Cable Diameter:

0.190 in  
Polyurethane jacket

#### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

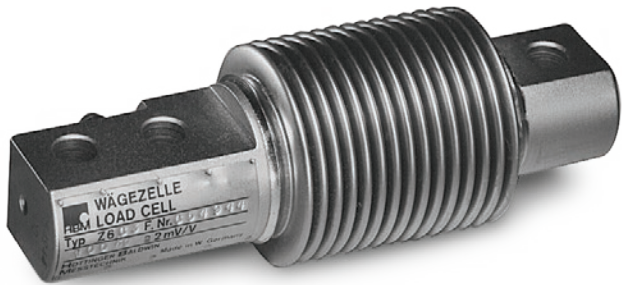
#### Warranty:

One-year limited

#### Approvals:

FM





Picture is a representation of actual product.

Approvals

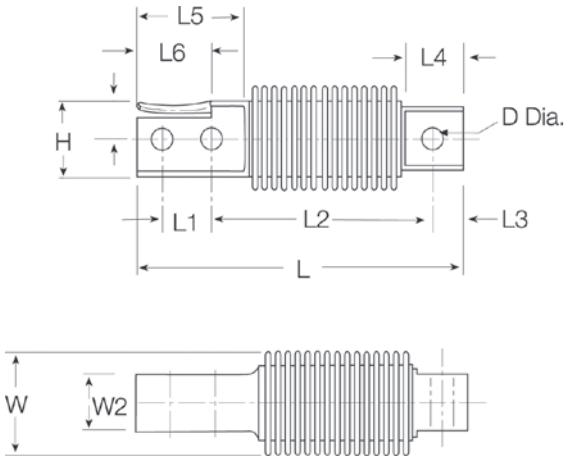


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| OIML C3     |        |             |          |
| 10 kg       | 36173  | 2 lb        | \$725.00 |
| 20 kg       | 36174  | 2 lb        | \$725.00 |
| 50 kg       | 36175  | 2 lb        | \$725.00 |
| 100 kg      | 36176  | 2 lb        | \$725.00 |
| 200 kg      | 36177  | 2 lb        | \$725.00 |
| OIML D1     |        |             |          |
| 5 kg        | 36172  | 2 lb        | \$725.00 |

Dimensions

| Rated Capacity | H    | L     | L1   | L2   | L3  | L4   | L5   | L6   | W    | W2   | D   |
|----------------|------|-------|------|------|-----|------|------|------|------|------|-----|
| kg/mm          |      |       |      |      |     |      |      |      |      |      |     |
| 5 to 200       | 31.0 | 123.0 | 18.0 | 82.0 | 9.9 | 21.0 | 45.0 | 27.9 | 42.0 | 20.1 | 8.2 |



Interchangeable Products

|                            |               |
|----------------------------|---------------|
| RICE LAKE WEIGHING SYSTEMS |               |
| RL9018SS                   | .....page 119 |
| RICE LAKE WEIGHING SYSTEMS |               |
| RLHBB**                    |               |
| VPG® REVERE                |               |
| SHB                        | .....page 265 |
| VPG® TEDEA-HUNTLEIGH       |               |
| 355                        | .....page 321 |
| METTLER TOLEDO®            |               |
| MTB***                     |               |

\*\* Except for 500 kg  
\*\* Color code is different

Specifications

|                        |  |
|------------------------|--|
| Full Scale Output:     | 2.0 mV/V   |
| Output Resistance:     | 356 ohm  |
| Input Resistance:      | 350 to 400 ohm   |
| Material/Finish:       | Stainless steel  |
| Temperature:           | Operating range<br>0 °F to 150 °F (-18 °C to 65 °C)  |
| Seal Type:             | Welded-seal, IP68  |
| Safe Overload:         | 150% full scale  |
| Rated Excitation:      | 5 to 10 V DC (15 V maximum)  |
| Combined Error:        | 0.05% full scale   |
| Insulation Resistance: | 5,000 megohm   |
| Cable Length:          | 10 ft  |
| Cable Diameter:        | 0.190 in PVC jacket  |
| Cable Color Code:      | Blue +Excitation<br>Black -Excitation<br>White +Signal<br>Red -Signal<br>Green +Sense<br>Grey -Sense |
| Warranty:              | One-year limited   |
| Approvals:             | FM<br>OIML<br>Ex (available upon request)  |

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class IIIL Multiple Cell/OIML, IP68



Picture is a representation of actual product.

## Approvals

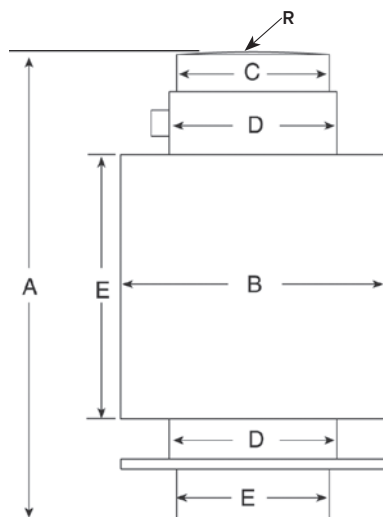


## Order Information

| Load Rating           | Part #        | Est. Weight | Price      |
|-----------------------|---------------|-------------|------------|
| <b>OIML C3</b>        |               |             |            |
| 20 t                  | <b>69312</b>  | 6 lb        | \$1,125.00 |
| 30 t                  | <b>69313</b>  | 6 lb        | \$1,125.00 |
| 40 t                  | <b>69314</b>  | 10 lb       | \$1,125.00 |
| 60 t                  | <b>125266</b> | 10 lb       | \$1,125.00 |
| <b>NTEP Certified</b> |               |             |            |
| 20 t                  | <b>106149</b> | 6 lb        | \$1,125.00 |
| 30 t                  | <b>106150</b> | 6 lb        | \$1,125.00 |
| 40 t                  | <b>106151</b> | 10 lb       | \$1,125.00 |
| 60 t                  | <b>125265</b> | 10 lb       | \$1,175.00 |

## Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | R     |
|----------------|-------|------|------|------|------|-------|
| t/mm           |       |      |      |      |      |       |
| 20             | 150.0 | 76.1 | 44.0 | 48.0 | 44.0 | 130.0 |
| 30             | 150.0 | 76.1 | 44.0 | 48.0 | 44.0 | 160.0 |
| 40             | 150.0 | 76.1 | 44.0 | 48.0 | 44.0 | 180.0 |
| 60             | 210.0 | 76.1 | 44.0 | 48.0 | 44.0 | 220.0 |



## Specifications

**Full Scale Output:**2 mV/V  $\pm$  1%**Output Resistance:**706 ( $\pm$  3.5) ohm**Input Resistance:**700 ( $\pm$  20) ohm**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Hermetically sealed, IP68

**Safe Overload:**

130% full scale

**Rated Excitation:**

5 to 10 VDC (15 V maximum)

**Combined Error:**

0.03% full scale

**Insulation Resistance:**

5,000 megohm

**Cable Length:**

12 m

**Cable Diameter:**

0.190 in

Polyurethane jacket

**Cable Color Code:**

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

**Warranty:**

One-year limited

**Approvals:**

NTEP

OIML



Picture is a representation of actual product.

#### Approvals

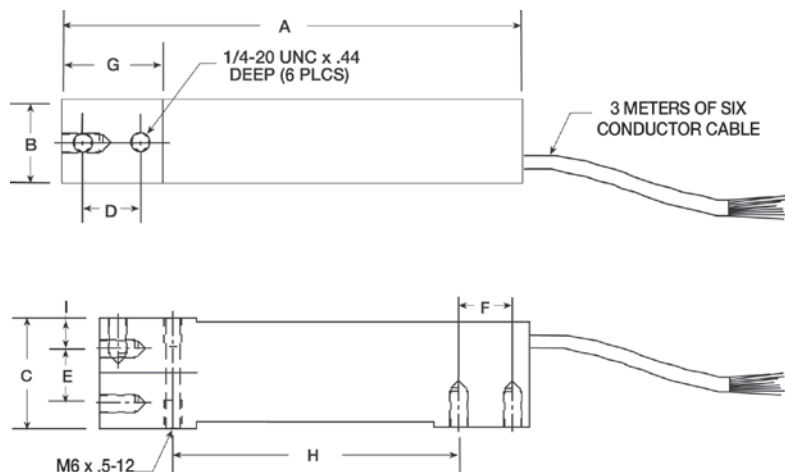


#### Order Information

| Load Rating                     | Part #        | Est. Weight | Price    |
|---------------------------------|---------------|-------------|----------|
| <b>NTEP Certified</b>           |               |             |          |
| 7 kg                            | <b>72764</b>  | 2 lb        | \$250.00 |
| 15 kg                           | <b>72767</b>  | 2 lb        | \$250.00 |
| 20 kg                           | <b>72769</b>  | 2 lb        | \$250.00 |
| 30 kg                           | <b>72771</b>  | 2 lb        | \$250.00 |
| 50 kg                           | <b>72776</b>  | 2 lb        | \$250.00 |
| 75 kg                           | <b>72777</b>  | 2 lb        | \$250.00 |
| 100 kg                          | <b>72778</b>  | 2 lb        | \$250.00 |
| <b>OIML with Metric Threads</b> |               |             |          |
| 3 kg                            | <b>121396</b> | 2 lb        | \$250.00 |
| 5 kg                            | <b>121397</b> | 2 lb        | \$250.00 |
| 7 kg                            | <b>121398</b> | 2 lb        | \$250.00 |
| 10 kg                           | <b>121399</b> | 2 lb        | \$250.00 |
| 15 kg                           | <b>121400</b> | 2 lb        | \$250.00 |
| 20 kg                           | <b>121401</b> | 2 lb        | \$250.00 |
| 30 kg                           | <b>121402</b> | 2 lb        | \$250.00 |
| 50 kg                           | <b>121403</b> | 2 lb        | \$250.00 |
| 75 kg                           | <b>124835</b> | 2 lb        | \$250.00 |
| 100 kg                          | <b>121404</b> | 2 lb        | \$250.00 |

#### Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F    | G    | H    | I    |
|----------------|-------|------|------|------|------|------|------|------|------|
| kg/mm          |       |      |      |      |      |      |      |      |      |
| 3 to 100       | 150.3 | 25.4 | 39.9 | 19.1 | 19.1 | 19.1 | 33.8 | 99.6 | 11.4 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLSP4\*** ..... page 170

RICE LAKE WEIGHING SYSTEMS

**RL1042** ..... page 173

VPG® TEDEA-HUNTLEIGH

**1042** ..... page 325

\*Color code is different

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

350 ohm

##### Material/Finish:

Anodized Aluminum

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

0.015 in

##### Cable Length:

10 ft

##### Cable Diameter:

0.190 in PVC jacket

##### Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

##### Warranty:

One-year limited

##### Approvals:

FM

NTEP

OIML



Picture is a representation of actual product.

### Approvals

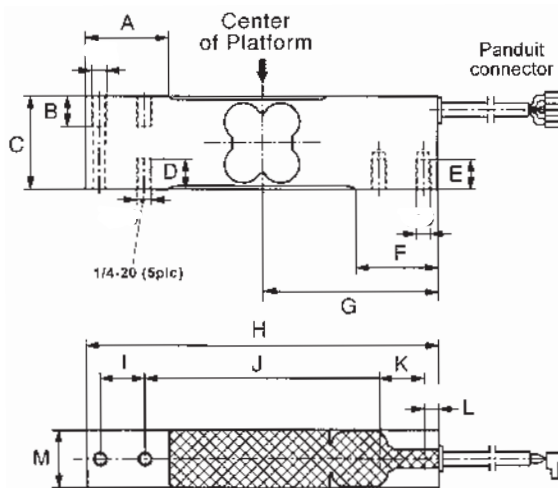


### Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 15 kg       | <b>76771</b> | 3 lb        | \$410.00 |
| 20 kg       | <b>76772</b> | 3 lb        | \$410.00 |
| 50 kg       | <b>76774</b> | 3 lb        | \$410.00 |
| 75 kg       | <b>76775</b> | 3 lb        | \$410.00 |
| 100 kg      | <b>76776</b> | 3 lb        | \$410.00 |
| 150 kg      | <b>84820</b> | 3 lb        | \$410.00 |

### Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H     | I    | J     | K    | L   | M    |
|----------------|------|------|------|------|------|------|------|-------|------|-------|------|-----|------|
| kg/mm          |      |      |      |      |      |      |      |       |      |       |      |     |      |
| 15 to 150      | 35.0 | 13.0 | 40.0 | 13.0 | 13.0 | 35.0 | 75.0 | 150.0 | 19.0 | 100.0 | 19.0 | 6.2 | 25.0 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLPWM15**.....page 166

VPG® TEDEA-HUNTLEIGH

**1142\*** ..... page 330

\*Color code is different

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

359 (± 5) ohm

#### Input Resistance:

380 (± 15) ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Total Error:

0.02% full scale

#### Insulation Resistance:

1,000 megohm

#### Cable Length:

10 ft

#### Cable Diameter:

0.190 in

PVC jacket

#### Deflection:

0.2 mm

#### Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

#### Warranty:

One-year limited

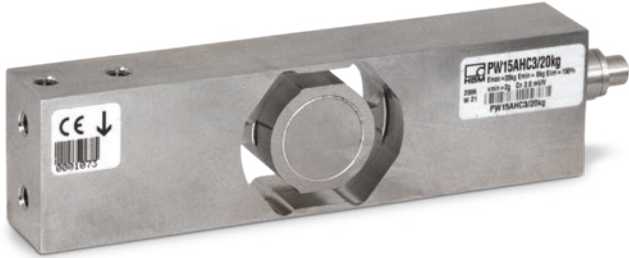
#### Approvals:

FM

NTEP

SINGLE POINT  
**PW15AH**

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Single Cell, OIML C3, IP69K



Picture is a representation of actual product.

Approvals

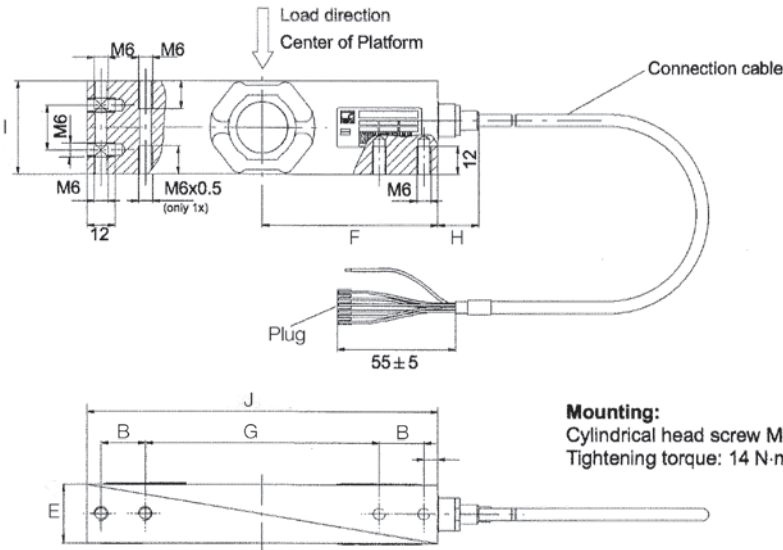


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 10 kg       | 101915 | 3 lb        | \$750.00 |
| 20 kg       | 101916 | 3 lb        | \$750.00 |
| 50 kg       | 101917 | 3 lb        | \$750.00 |
| 100 kg      | 101918 | 3 lb        | \$750.00 |

Dimensions

| Rated Capacity | B    | E    | F    | G     | H    | I    | J     |
|----------------|------|------|------|-------|------|------|-------|
| kg/mm          |      |      |      |       |      |      |       |
| 10 to 100      | 19.0 | 25.0 | 75.0 | 100.0 | 17.5 | 40.0 | 150.0 |



**Mounting:**  
Cylindrical head screw M6-10.9  
Tightening torque: 14 N·m

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLPWM15**.....page 166

FLINTEC®

**PC4**.....page 230

Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**

350 (± 10) ohm

**Input Resistance:**

380 (± 15) ohm

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Hermetically sealed, IP69K

**Safe Overload:**

150% full scale

**Rated Excitation:**

5 to 10 VDC (15 V maximum)

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

1,000 megohm

**Cable Length:**

10 ft

**Cable Diameter:**

0.212 in PVC jacket

**Cable Color Code:**

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

**Warranty:**

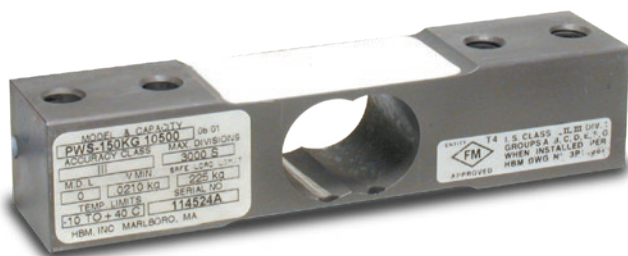
One-year limited

**Approvals:**

NTEP

OIML

FM



Picture is a representation of actual product.

#### Approvals

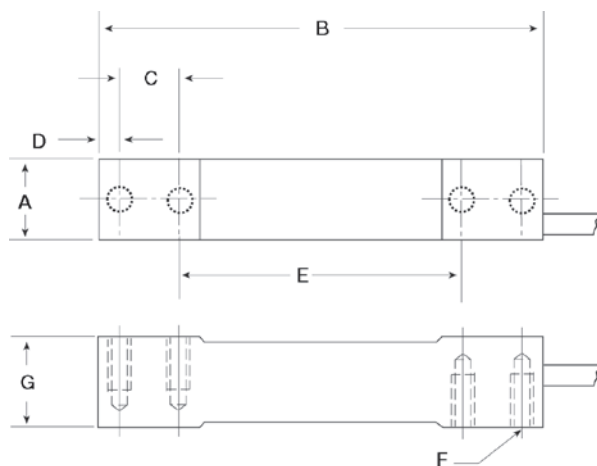


#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 7 kg        | 36185  | 2 lb        | \$410.00 |
| 10 kg       | 36186  | 2 lb        | \$410.00 |
| 15 kg       | 36187  | 2 lb        | \$410.00 |
| 30 kg       | 36188  | 2 lb        | \$410.00 |
| 60 kg       | 36189  | 2 lb        | \$410.00 |
| 100 kg      | 68551  | 2 lb        | \$410.00 |
| 150 kg      | 69345  | 2 lb        | \$410.00 |

#### Dimensions

| Rated Capacity | A    | B     | C    | D   | E    | F          | G    |
|----------------|------|-------|------|-----|------|------------|------|
| kg/mm          |      |       |      |     |      |            |      |
| 7 to 15        | 30.2 | 139.7 | 19.1 | 6.4 | 88.9 | 1/4-20 UNC | 19.1 |
| 30 to 60       | 30.2 | 139.7 | 19.1 | 6.4 | 88.9 | 1/4-20 UNC | 23.9 |
| 100 to 150     | 30.2 | 139.7 | 22.3 | 7.8 | 79.2 | 3/8-16 UNC | 30.7 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1380**..... page 176

FLINTEC®

**PC3**..... page 229

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

359 (± 10) ohm

##### Input Resistance:

390 (± 15) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.03% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

10 ft

##### Cable Diameter:

0.190 in

Polyurethane jacket

##### Deflection:

<0.4 mm full scale

##### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

##### Warranty:

One-year limited

##### Approvals:

FM

NTEP

OIML



This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

COMPRESSION DISK

Page 246 1200, ALLOY STEEL/ALUMINUM



Resistance to extraneous forces allows for high fatigue life, less stringent mounting alignment and lesser possibility of reading errors. This design permits smaller, portable and compact testing machines. Capacities range from 1,000 lb to 100,000 lb. Complete with 10 ft of load cell cable.

Page 247 3200, STAINLESS STEEL



Designed specifically for difficult applications in harsh environments, these units incorporate welded stainless steel diaphragms to resist corrosion and seal against moisture intrusion. These load cells provide high accuracy, resistance to off-center loads with minimum error, excellent temperature specifications and low height envelope for ease of installation. Capacities range from 5,000 lb to 100,000 lb. Complete with 20 ft of load cell cable.

TENSION/COMPRESSION

Page 248 SML, LOW HEIGHT



A low height load cell designed for tension and compression. Constructed of anodized aluminum with 5 lb to 300 lb capacity or stainless steel with 500 lb to 2,000 lb capacity. Comes with 5 ft of integral cable.

Page 249 WMC, STAINLESS STEEL, ROD END



Constructed of stainless steel, environmentally sealed and designed for tension or compression. Capacities range from 15,000 lb to 200,000 lb.

Page 250 WMC MINIATURE SEALED, STAINLESS STEEL



A low capacity, low profile load cell with 5 ft of integral cable.

COMPRESSION DISK  
**1200 Series**

Low-Profile Alloy Steel/Aluminum, Environmentally Sealed, IP67



Picture is a representation of model 1211

Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| Aluminum    |        |             |            |
| 1,000 lb    | 36132  | 4 lb        | \$1,282.00 |
| 2,000 lb    | 36133  | 4 lb        | \$1,282.00 |
| Alloy Steel |        |             |            |
| 5,000 lb    | 36134  | 5 lb        | \$1,405.00 |
| 10,000 lb   | 36135  | 5 lb        | \$1,405.00 |
| 25,000 lb   | 36136  | 8 lb        | \$1,563.00 |
| 50,000 lb   | 36137  | 8 lb        | \$1,563.00 |
| 100,000 lb  | 36138  | 22 lb       | \$2,465.00 |

Consult factory for load cell bases

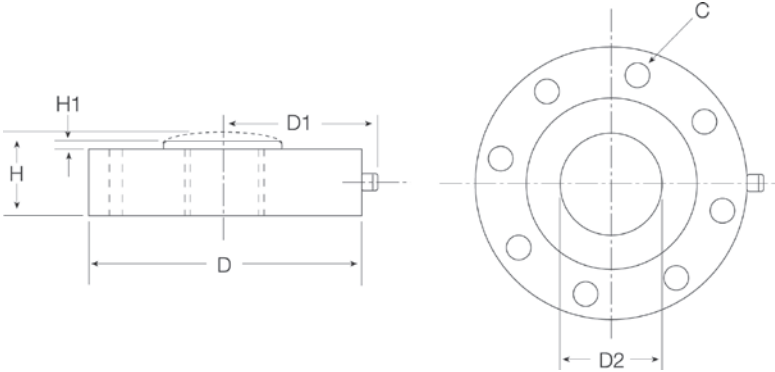
Dimensions

| Rated Capacity   | C                 | D    | D1   | D2   | H    | H1   |
|------------------|-------------------|------|------|------|------|------|
| lb/in            |                   |      |      |      |      |      |
| 1,000 to 10,000  | 0.28 dia 8 holes  | 4.12 | 2.63 | 1.34 | 1.37 | 0.12 |
| 25,000 to 50,000 | 0.34 dia 4 holes  | 4.75 | 2.95 | 1.57 | 1.75 | 0.12 |
| 100,000          | 0.47 dia 12 holes | 7.50 | 4.32 | 3.12 | 2.25 | 0.25 |

Specifications

- Full Scale Output:**  
1,000 to 2,000 lb: 2.0 mV/V  
5,000 to 100,000 lb: 4.0 mV/V
- Bridge Resistance:**  
350 ohms, nominal
- Material/Finish:**  
1,000 to 2,000 lb: Aluminum)  
5,000 to 100,000 lb: Alloy steel)
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC (20 V maximum)
- Nonlinearity:**  
0.05% full scale
- Hysteresis:**  
0.02 to 0.04% full scale
- Insulation Resistance:**  
5,000 megohms
- Cable Length:**  
10 ft
- Cable Color Code:**  
Red +Excitation  
Black –Excitation  
Green +Signal  
White –Signal
- Warranty:**  
Two-year limited

INTERFACE





Picture is a representation of model 3211

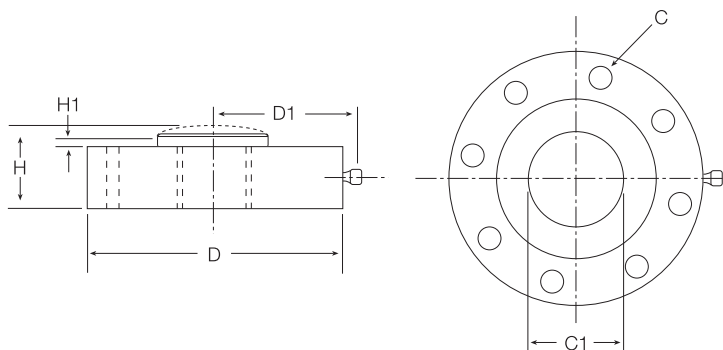
## Order Information

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 5,000 lb    | <b>36140</b> | 5 lb        | \$1,600.00 |
| 10,000 lb   | <b>36141</b> | 5 lb        | \$1,600.00 |
| 25,000 lb   | <b>36142</b> | 8 lb        | \$1,813.00 |
| 50,000 lb   | <b>36143</b> | 8 lb        | \$1,813.00 |
| 100,000 lb  | <b>36144</b> | 10 lb       | \$3,090.00 |

Consult factory for load cell bases

## Dimensions

| Rated Capacity   | C                 | C1   | D    | D1   | H    | H1   |
|------------------|-------------------|------|------|------|------|------|
| lb/in            |                   |      |      |      |      |      |
| 5,000 to 10,000  | 0.28 dia 8 holes  | 1.34 | 4.12 | 2.56 | 1.37 | 0.12 |
| 25,000 to 50,000 | 0.34 dia 4 holes  | 1.57 | 4.75 | 2.87 | 1.75 | 0.12 |
| 100,000          | 0.47 dia 12 holes | 3.12 | 7.50 | 4.25 | 2.25 | 0.25 |



## Specifications

### Full Scale Output:

4.0 mV/V

### Bridge Resistance:

350 ohm nominal

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Hermetically sealed, IP66/68

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (20 V maximum)

### Nonlinearity:

0.05% full scale

### Hysteresis:

0.04% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

20 ft

### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

Two-year limited



Picture is a representation of actual product

Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 5 lb        | 185097 | 1 lb        | \$843.00 |
| 10 lb       | 185098 | 1 lb        | \$843.00 |
| 25 lb       | 185099 | 1 lb        | \$630.00 |
| 50 lb       | 185100 | 1 lb        | \$630.00 |
| 100 lb      | 185101 | 1 lb        | \$630.00 |
| 200 lb      | 185102 | 1 lb        | \$630.00 |
| 300 lb      | 185103 | 1 lb        | \$630.00 |
| 500 lb      | 185104 | 1 lb        | \$630.00 |
| 1,000 lb    | 185105 | 1 lb        | \$843.00 |
| 2,000 lb    | 185106 | 1 lb        | \$843.00 |

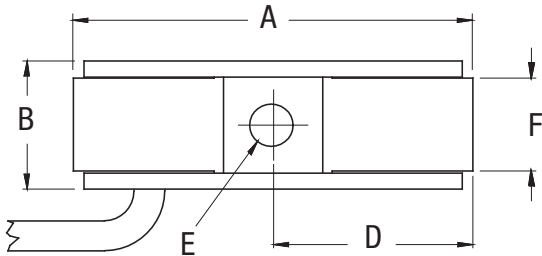
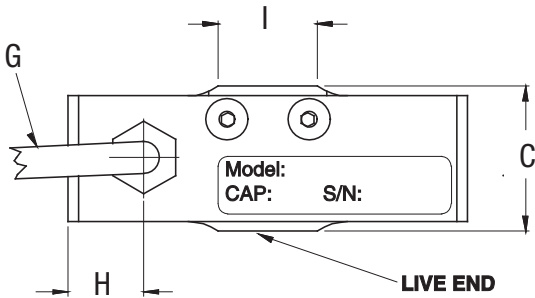
Dimensions

| Rated Capacity | A    | B    | C    | D    | E                      | F    | G    | H    | I    |
|----------------|------|------|------|------|------------------------|------|------|------|------|
| lb/in          |      |      |      |      |                        |      |      |      |      |
| 5 to 10        | 1.80 | 0.52 | 0.73 | 0.90 | 10-32 UNF<br>.20 deep  | 0.34 | 0.13 | 0.29 | 0.50 |
| 25 to 100      | 2.00 | 0.64 | 0.73 | 1.00 | 1/4-28 UNF<br>.25 deep | 0.46 | 0.13 | 0.38 | 0.50 |
| 200 to 1,000   | 2.12 | 0.89 | 0.98 | 1.06 | 3/8-24 UNF<br>.38 deep | 0.71 | 0.13 | 0.46 | 0.57 |
| 2,000          | 2.80 | 1.16 | 1.24 | 1.40 | 1/2-20 UNF<br>.49 deep | 1.00 | 0.13 | 0.75 | 0.77 |

Specifications

- Full Scale Output:**  
2.0 mV/V
- Bridge Resistance:**  
350 ohm nominal
- Material/Finish:**  
5 to 300 lb: Aluminum  
500 to 2,000 lb: Stainless steel
- Temperature:**  
Operating range  
-65 °F to 200 °F (-54 °C to 93 °C)
- Safe Overload:**  
5 to 10 lb: 800%  
25 to 2,000 lb: 150%
- Rated Excitation:**  
15 VDC maximum
- Nonlinearity:**  
5 to 300 lb: ± 0.05% full scale  
500 to 1,000 lb: ± 0.10% full scale  
2,000 lb: ± 0.20% full scale
- Hysteresis:**  
5 to 300 lb: ± 0.05% full scale  
500 to 1,000 lb: ± 0.10% full scale  
2,000 lb: ± 0.20% full scale
- Insulation Resistance:**  
> 5,000 megohm
- Cable Length:**  
5 ft
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
White +Signal  
Green -Signal
- Warranty:**  
One-year limited

INTERFACE





Picture is a representation of actual product

## Order Information

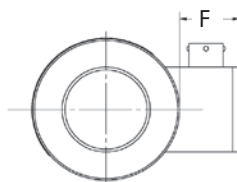
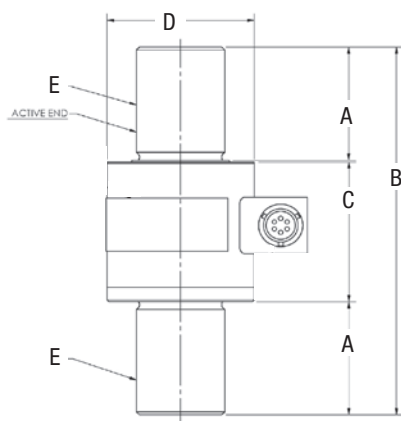
| Load Rating | Part #        | Est. Weight | Price      |
|-------------|---------------|-------------|------------|
| 15,000 lb   | <b>185079</b> | 5 lb        | \$2,040.00 |
| 20,000 lb   | <b>185080</b> | 5 lb        | \$2,040.00 |
| 30,000 lb   | <b>185081</b> | 5 lb        | \$2,040.00 |
| 50,000 lb   | <b>185583</b> | 5 lb        | \$2,040.00 |
| 100,000 lb  | <b>185082</b> | 20 lb       | \$3,705.00 |
| 200,000 lb  | <b>185083</b> | 40 lb       | \$4,400.00 |

## Load Cell Cable Option

|   | Part #        | Est. Weight | Price    |
|---|---------------|-------------|----------|
| 10 ft cable with PTO6A-10-6S (SR) connector | <b>185459</b> | 2 lb        | \$250.00 |

## Dimensions

| Rated Capacity   | A    | B     | C    | D    | E           | F    |
|------------------|------|-------|------|------|-------------|------|
| lb/in            |      |       |      |      |             |      |
| 15,000 to 50,000 | 2.00 | 6.50  | 2.47 | 2.50 | 1.5-12 UNF  | 1.01 |
| 100,000          | 3.00 | 10.00 | 3.97 | 3.50 | 2.50-12 UNF | 1.28 |
| 200,000          | 4.00 | 13.00 | 4.97 | 4.47 | 3.50-8 UNF  | 1.36 |



## Specifications

### Full Scale Output:

2.0 mV/V

### Bridge Resistance:

350 ohm nominal

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-65 °F to 250 °F (-54 °C to 121 °C)

### Safe Overload:

150% full scale

### Rated Excitation:

15 VDC Max

### Nonlinearity:

15 to 30 k: ± 0.10% full scale  
100 k: ± 0.15% full scale  
200 k: ± 0.20% full scale

### Hysteresis:

± 0.15% full scale

### Insulation Resistance:

> 5,000 megohm

### Connector Pin Out:

A +Excitation  
B +Sense  
C -Excitation  
D -Sense  
E -Signal  
F +Signal

### Warranty:

One-year limited



TENSION/COMPRESSION

# WMC Miniature Sealed

Stainless Steel



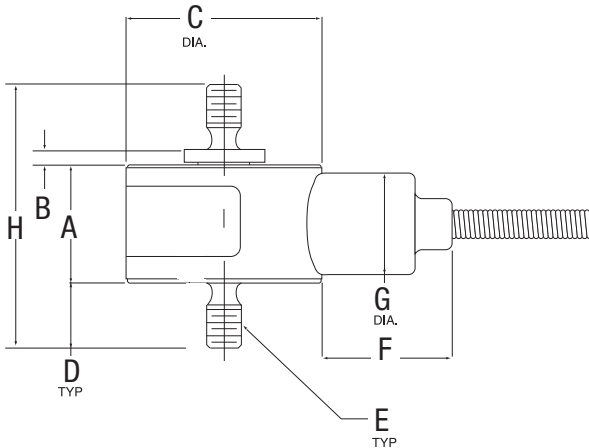
Picture is a representation of actual product

### Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 5 lb        | 185090 | 1 lb        | \$1,373.00 |
| 10 lb       | 185091 | 1 lb        | \$1,373.00 |
| 25 lb       | 185092 | 1 lb        | \$1,267.00 |
| 50 lb       | 185093 | 1 lb        | \$1,267.00 |
| 100 lb      | 185094 | 1 lb        | \$1,267.00 |
| 250 lb      | 185095 | 1 lb        | \$1,267.00 |
| 500 lb      | 185096 | 1 lb        | \$1,267.00 |
| 1,000 lb    | 185084 | 1 lb        | \$1,267.00 |
| 2,000 lb    | 185085 | 1 lb        | \$1,373.00 |
| 3,000 lb    | 185086 | 1 lb        | \$1,373.00 |
| 5,000 lb    | 185087 | 1 lb        | \$1,373.00 |
| 7,500 lb    | 185088 | 1 lb        | \$1,373.00 |
| 10,000 lb   | 185089 | 1 lb        | \$1,373.00 |

### Dimensions

| Rated Capacity | A    | B    | C    | D    | E           | F    | G    | H    |
|----------------|------|------|------|------|-------------|------|------|------|
| lb/in          |      |      |      |      |             |      |      |      |
| 5-10           | 0.45 | 0.06 | 0.75 | 0.25 | 6-32 UNC    | 0.50 | 0.39 | 1.01 |
| 25-100         | 0.52 | 0.03 | 1.00 | 0.25 | 10-32 UNF   | 0.50 | 0.39 | 1.05 |
| 250-500        | 0.53 | 0.03 | 1.00 | 0.38 | 1/4-28 UNF  | 0.50 | 0.39 | 1.32 |
| 1,000          | 0.53 | 0.03 | 1.00 | 0.38 | 0.25-28 UNF | 0.50 | 0.39 | 1.32 |
| 2,000-3,000    | 0.72 | 0.03 | 1.00 | 0.50 | 0.38-24 UNF | 0.50 | 0.39 | 1.75 |
| 5,000          | 0.94 | 0.03 | 1.25 | 0.63 | 0.50-20 UNF | 0.50 | 0.39 | 2.23 |
| 7,500-10,000   | 1.09 | 0.03 | 1.38 | 0.88 | 0.75-16 UNF | 0.50 | 0.39 | 2.88 |



### Specifications

- Full Scale Output:**  
2.0 mV/V
- Bridge Resistance:**  
350 ohm nominal
- Material/Finish:**  
Stainless steel
- Temperature:**  
Operating range  
-65 °F to 250 °F (-54 °C to 121 °C)
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
12 VDC
- Nonlinearity:**  
5 to 500 lb: ± 0.15% full scale  
1,000 to 10,000 lb: ± 0.20% full scale
- Hysteresis:**  
5 to 500 lb: ± 0.15% full scale  
1,000 to 10,000 lb: ± 0.20% full scale
- Insulation Resistance:**  
> 5,000 megohm
- Cable Length:**  
5 ft
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
White +Signal  
Green -Signal
- Warranty:**  
One-year limited

INTERFACE

### S-BEAMS

#### Page 255

#### 363, ALLOY STEEL



S-beam type load cell with a compact and economical design. Ideally suited for scale conversions and general-purpose weighing. NTEP Certified capacities range from 100 lb to 10,000 lb; non-NTEP Certified capacity of 50 lb. Complete with 20 ft of load cell cable.



#### Page 256

#### 9363, STAINLESS STEEL



A stainless steel s-beam type load cell with trimmed outputs for easy installation. Compact and economical design, ideally suited for scale conversions and general-purpose weighing. NTEP Certified capacities range from 100 lb to 10,000 lb; non-NTEP Certified capacity of 50 lb, 15,000 lb and 20,000 lb. Complete with 20 ft of load cell cable. Trimmed outputs makes installation easy.



#### Page 257

#### BSP, STAINLESS STEEL



Welded-seal stainless steel s-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP Certified capacities range from 100 to 5,000 lb; non-NTEP Certified capacity of 10,000 lb. Complete with 30 ft of load cell cable.



### SINGLE-ENDED BEAMS

#### Page 258

#### 5123, ALLOY STEEL



Low-cost, high performance, single-ended beam designed for low-profile scales and process weighing in both Legal for Trade and non-Legal for Trade applications. Capacities range from 1,000 to 10,000 lb. Complete with 20 ft of load cell cable.



#### Page 259

#### 9123, STAINLESS STEEL



Single-ended stainless steel beam designed for low-profile scales and process weighing in both Legal for Trade and non-Legal for Trade applications. Capacities range from 250 lb to 20,000 lb. Complete with 20 ft of load cell cable.



#### Page 260

#### 9523, STAINLESS STEEL



Single-ended beam offers both welded sealing and stainless steel construction for use in most hostile environments. Applications include platform scales and process weighing. Capacities range from 1,000 to 10,000 lb.



#### Page 261

#### ACB, STAINLESS STEEL



An hermetically sealed, stainless steel, single-ended shear beam load cell utilizing a 1,000 ohm bridge. Capacities range from 500 kg to 5,000 kg.

#### Page 262

#### 9102, STAINLESS STEEL



A form, fit and function match for the RTI 5102. It is constructed of stainless steel and ideally suited for the toughest industrial applications where high accuracy and low profile are required. Capacities range from 200 lb to 2,500 lb. Complete with 10 ft of load cell cable.



## SINGLE-ENDED BEAMS

Page 263

### 5102, ALLOY STEEL



A single-ended beam load cell with 500 lb capacities and above. Its high accuracy, low profile and redundant sealing make it well suited for use in small and medium platform scales and process applications in harsh environments. Capacities range from 50 lb to 2,500 lb. Complete with 10 ft of load cell cable.



Page 264

### 5723 LINK BEAM, ALLOY STEEL



High-performance single-ended link beam uses a well-proven link-loading technique. This low-cost and flexible loading method allows load movement without reading error in tanks, hoppers and platform scales. Capacities range from 1,000 to 10,000 lb.



Page 265

### SHB, STAINLESS STEEL



Constructed of stainless steel and features a welded seal for tough industrial environments where high accuracy and low profiles are required. Capacities range from 20 kg to 200 kg. Complete with 10 ft of load cell cable.



Page 266

### SSB, STAINLESS STEEL



Rugged and precise, this single-ended beam offers welded seal protection and stainless steel construction. Designed for use in the most hostile environments. Applications include platform scales, materials testing and process weighing. NTEP Certified capacities range from 1,000 to 10,000 lb.



## DOUBLE-ENDED BEAMS

Page 267

### 5103, ALLOY STEEL



Designed for truck, track and process weighing. High accuracy, low profile, tolerance to non-axial loading and redundant seal. NTEP Certified capacities range from 5,000 to 250,000 lb. Complete with 30 ft of load cell cable.



Page 268

### 9103, STAINLESS STEEL



Stainless steel double-ended beam designed for truck, track and process weighing. High accuracy, low profile and tolerance to non-axial loading and redundant seal. Capacities range from 5,000 to 150,000 lb. NTEP Certified capacities range from 10,000 to 100,000 lb. Non-NTEP Certified in 5,000 and 150,000 lb capacities. Complete with 30 ft of load cell cable.



Page 269

### 5223, ALLOY STEEL



Very high performance end-loaded, center-supported double-ended beam designed for low-profile track and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Capacities range from 50,000 to 100,000 lb. Complete with 40 ft of load cell cable. Optional overbraid available.



Page 270

### 9223, STAINLESS STEEL



High-profile, high accuracy compression type load cell for truck, tank, track and hopper applications. Ideally suited for harsh environments. Each cell comes with 40 ft of load cell cable. Available in 50,000 lb and 100,000 lb capacities.



## DOUBLE-ENDED BEAMS

Page 271

**9803, STAINLESS STEEL**


This center loaded double-ended beam features full stainless steel construction. Ideal for both truck scale and process weighing applications. Available in 50,000 lb to 100,000 lb capacities. Each unit is provided with standard 30 ft of load cell cable.



Page 272

**9323, STAINLESS STEEL**


Very high performance end-loaded, center-supported double-ended beam designed for low-profile track and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Available in 50,000 lb and 60,000 lb with 30 ft of load cell cable.



Page 273

**9423, STAINLESS STEEL**


Designed for low-profile track and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. High-performance end-loaded, center-supported double-ended beam, available in 50,000 lb and 60,000 lb. Complete with 30 ft of load cell cable.



## COMPRESSION CANISTERS

Page 274

**ASC, STAINLESS STEEL**


A stainless steel, hermetically sealed, single-column compression load cell. An IP68 rating, combined with built-in surge protection, ensures the unit is well-protected. OIML approved and comes with 15 m of load cell cable.



Page 275

**RLC, STAINLESS STEEL**


A low profile, high performance ring torsion type load cell in stainless steel. This product is suitable for small and medium platform scales as well as process weighing. Capacities range from 0.25 T to 10 T.



Page 276

**CP, STAINLESS STEEL**


This welded-seal, canister cell is designed for compression service only. High-capacity transducers are built for reliability, durability and extreme precision. Compression Precision (CP) cells are recommended for most industrial applications. Single or dual bridges available for 10,000 to 500,000 lb capacities. Complete with 30 ft of load cell cable.



Page 277

**CSP, STAINLESS STEEL**


This welded-seal, stainless steel canister cell is designed for compression service only. High-capacity transducers are built for reliability, durability and extreme precision. Ideal for applications where ultimate precision is needed. Single or dual bridges available for 10,000 lb only. NTEP Certified capacities range from 25,000 lb to 200,000 lb; non-NTEP Certified capacities are 10,000 lb and 500,000 lb. Complete with 30 ft of load cell cable.



Page 278

**792, STAINLESS STEEL**


Single-column design with low deflection and welded-seal for easy operation. High-alloy steel, epoxy coated for use in harsh environments. Capacities range from 50,000 lb to 200,000 lb. Compact and rugged.



SINGLE POINTS

Page 279

462, ALLOY STEEL



Very high -performance single-point cell designed for high-precision counter scales. Resistant to moisture and severe impact loading. Capacities range from 2 lb to 250 lb. Complete with 10 ft of load cell cable.



Page 280

HPS, STAINLESS STEEL



This stainless steel, welded-seal, low-profile single-point load cell is designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading and tolerates most severe washdowns. Capacities range from 6 kg to 100 kg. Comes complete with 10 ft of load cell cable.



Page 281

HPSM, STAINLESS STEEL



Low-profile single-point load cell with metric envelope designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading. Tolerates most severe washdowns. Capacities range from 6 kg to 30 kg. Includes 20 ft of load cell cable.



AXLE SCALE  
LOAD CELL

Page 282

AX3040, ALLOY STEEL



Constructed of alloy steel, environmentally sealed and used in the AX3040 axle scale.

Alloy Steel, Environmentally Sealed, NTEP Certified 1:10,000 Class IIII Single Cell, IP67



Picture is a representation of actual product

## Approvals

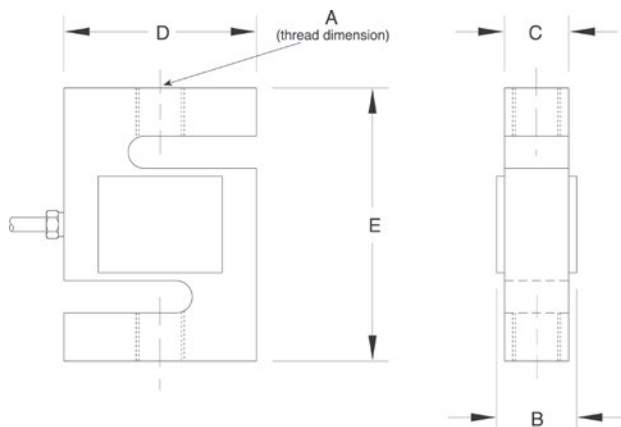


## Order Information

| Load Rating               | Part #       | Est. Weight | Price    |
|---------------------------|--------------|-------------|----------|
| <b>NTEP Certified</b>     |              |             |          |
| 100 lb                    | <b>21463</b> | 2 lb        | \$312.00 |
| 200 lb                    | <b>21464</b> | 2 lb        | \$312.00 |
| 300 lb                    | <b>21465</b> | 2 lb        | \$312.00 |
| 500 lb                    | <b>21466</b> | 2 lb        | \$312.00 |
| 750 lb                    | <b>21467</b> | 2 lb        | \$312.00 |
| 1,000 lb                  | <b>21468</b> | 2 lb        | \$312.00 |
| 1,500 lb                  | <b>21469</b> | 2 lb        | \$312.00 |
| 2,000 lb                  | <b>21470</b> | 2 lb        | \$312.00 |
| 3,000 lb                  | <b>21471</b> | 4 lb        | \$312.00 |
| 5,000 lb                  | <b>21472</b> | 4 lb        | \$493.00 |
| 10,000 lb                 | <b>21473</b> | 4 lb        | \$493.00 |
| <b>Non-NTEP Certified</b> |              |             |          |
| 50 lb                     | <b>17043</b> | 2 lb        | \$312.00 |

## Dimensions

| Rated Capacity  | A          | B    | C    | D    | E    |
|-----------------|------------|------|------|------|------|
| lb/in           |            |      |      |      |      |
| 50 to 300       | 1/4-28 UNF | 0.65 | 0.50 | 2.00 | 2.50 |
| 500 to 1,500    | 1/2-20 UNF | 0.90 | 0.75 | 2.00 | 2.50 |
| 2,000           | 1/2-20 UNF | 1.15 | 1.00 | 2.00 | 2.50 |
| 3,000           | 1/2-20 UNF | 1.15 | 1.00 | 3.00 | 4.00 |
| 5,000 to 10,000 | 3/4-16 UNF | 1.15 | 1.00 | 3.00 | 4.00 |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL20000I**..... page 104

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension Cell Mount**..... page 38

## Specifications

## Full Scale Output:

3.0 mV/V

## Output Resistance:

350 (± 3.5) ohm

## Input Resistance:

390 (± 15) ohm

## Material/Finish:

High alloy, nickel plated

## Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

## Seal Type:

Environmentally sealed, IP67

## Safe Overload:

150% full scale

## Rated Excitation:

5 to 10 VDC (15 V maximum)

## Combined Error:

0.02% full scale

## Non-repeatability:

0.01% full scale

## Insulation Resistance:

5,000 megohm

## Cable Length:

20 ft

## Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

## Warranty:

One-year limited

## Approvals:

cFMus

NTEP



Picture is a representation of actual product

Approvals

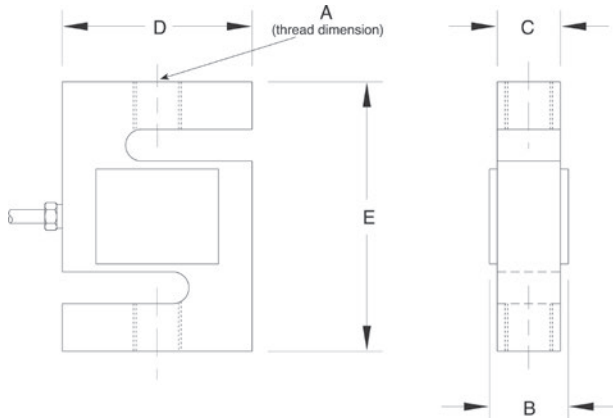


Order Information

| Load Rating        | Part # | Est. Weight | Price    |
|--------------------|--------|-------------|----------|
| NTEP Certified     |        |             |          |
| 100 lb             | 31317  | 2 lb        | \$312.00 |
| 200 lb             | 31316  | 2 lb        | \$312.00 |
| 300 lb             | 31315  | 2 lb        | \$312.00 |
| 500 lb             | 31314  | 2 lb        | \$312.00 |
| 750 lb             | 31313  | 2 lb        | \$312.00 |
| 1,000 lb           | 31312  | 2 lb        | \$312.00 |
| 1,500 lb           | 31311  | 2 lb        | \$312.00 |
| 2,000 lb           | 31310  | 2 lb        | \$312.00 |
| 2,500 lb           | 98875  | 3 lb        | \$312.00 |
| 3,000 lb           | 31309  | 4 lb        | \$418.00 |
| 5,000 lb           | 31318  | 4 lb        | \$503.00 |
| 10,000 lb          | 31308  | 4 lb        | \$583.00 |
| Non-NTEP Certified |        |             |          |
| 50 lb              | 17076  | 2 lb        | \$312.00 |
| 15,000 lb          | 165260 | 7 lb        | \$715.00 |
| 20,000 lb          | 165261 | 13 lb       | \$948.00 |

Dimensions

| Rated Capacity | A            | B    | C    | D    | E    |
|----------------|--------------|------|------|------|------|
| lb/in          |              |      |      |      |      |
| 50 to 300      | 1/4-28 UNF   | 0.65 | 0.46 | 2.00 | 2.40 |
| 500 to 1,500   | 1/2-20 UNF   | 0.90 | 0.71 | 2.00 | 2.40 |
| 2,000 to 2,500 | 1/2-20 UNF   | 1.13 | 0.96 | 2.00 | 2.40 |
| 3,000          | 1/2-20 UNF   | 1.13 | 0.96 | 3.00 | 3.90 |
| 5,000          | 3/4-16 UNF   | 1.15 | 0.96 | 3.00 | 3.90 |
| 10,000         | 3/4-16 UNF   | 1.40 | 1.21 | 2.94 | 3.90 |
| 15,000         | 1-14 UNS     | 1.63 | 1.46 | 3.44 | 5.50 |
| 20,000         | 1 1/4-12 UNF | 1.88 | 1.68 | 4.44 | 7.00 |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
**RL20000SS** .....page 105  
RICE LAKE WEIGHING SYSTEMS  
**RL20000ST** .....page 106

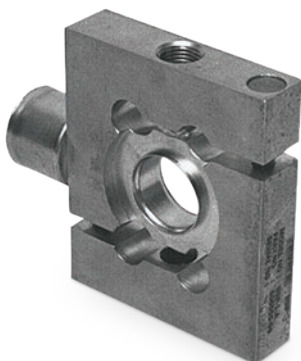
Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**ITCM Isolated Tension Cell Mount** ..... page 38

Specifications

**Full Scale Output:**  
3.0 mV/V  
**Output Resistance:**  
350 (± 3.5) ohm  
**Input Resistance:**  
390 (± 15) ohm  
**Material/Finish:**  
Stainless steel  
**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)  
**Seal Type:**  
Environmentally sealed, IP67  
**Safe Overload:**  
150% full scale  
**Rated Excitation:**  
5 to 10 VDC (15 V maximum)  
**Combined Error:**  
0.025% full scale  
**Non-repeatability:**  
0.01% full scale  
**Insulation Resistance:**  
5,000 megohm  
**Cable Length:**  
20 ft  
**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal  
**Warranty:**  
One-year limited  
**Approvals:**  
cFMus  
NTEP





Picture is a representation of actual product

#### Approvals

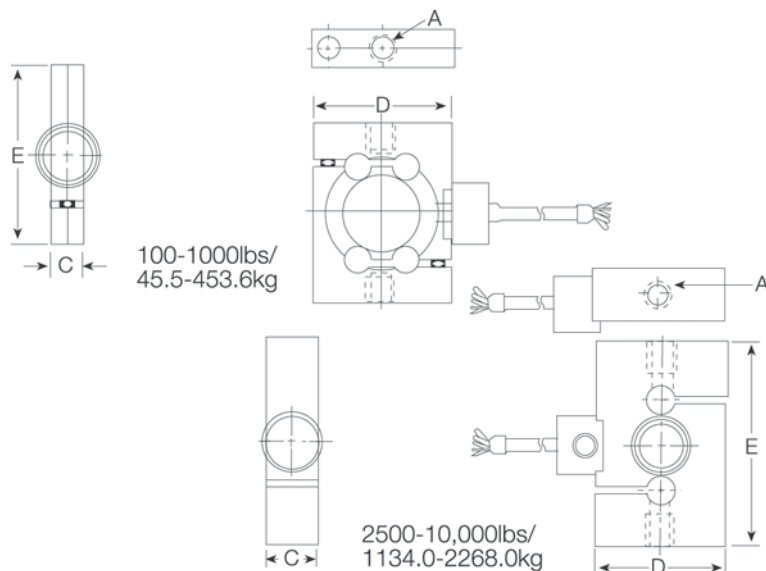


#### Order Information

| Load Rating               | Part #       | Est. Weight | Price      |
|---------------------------|--------------|-------------|------------|
| <b>NTEP Certified</b>     |              |             |            |
| 100 lb                    | <b>21447</b> | 3 lb        | \$948.00   |
| 250 lb                    | <b>21448</b> | 3 lb        | \$948.00   |
| 500 lb                    | <b>21449</b> | 3 lb        | \$948.00   |
| 1,000 lb                  | <b>21450</b> | 3 lb        | \$948.00   |
| 2,500 lb                  | <b>21451</b> | 4 lb        | \$980.00   |
| 5,000 lb                  | <b>21452</b> | 6 lb        | \$1,007.00 |
| <b>Non-NTEP Certified</b> |              |             |            |
| 10,000 lb                 | <b>17032</b> | 6 lb        | \$1,007.00 |

#### Dimensions

| Rated Capacity  | A          | C    | D    | E    |
|-----------------|------------|------|------|------|
| lb/in           |            |      |      |      |
| 100 to 250      | 3/8-24 UNF | 0.94 | 2.48 | 3.32 |
| 500             | 1/2-20 UNF | 0.71 | 2.44 | 3.50 |
| 1,000           | 1/2-20 UNF | 0.71 | 2.44 | 3.50 |
| 2,500           | 1/2-20 UNF | 0.95 | 2.44 | 3.75 |
| 5,000 to 10,000 | 1-14 UNS   | 1.44 | 2.44 | 4.75 |



#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension Cell Mount**..... page 38

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

350 ( $\pm 3.5$ ) ohm

##### Input Resistance:

350 ( $\pm 3.5$ ) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Welded-seal, IP67

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.03% full scale

##### Non Repeatability:

0.01% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

30 ft

##### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

#### Approvals

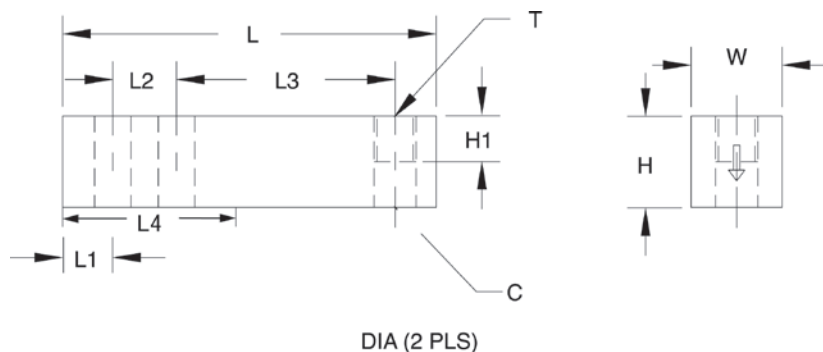


#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 21516  | 3 lb        | \$312.00 |
| 2,500 lb    | 21517  | 3 lb        | \$312.00 |
| 4,000 lb    | 21518  | 3 lb        | \$312.00 |
| 5,000 lb    | 21519  | 8 lb        | \$398.00 |
| 10,000 lb   | 21520  | 8 lb        | \$398.00 |

#### Dimensions

| Rated Capacity  | C    | H    | H1   | L    | L1   | L2   | L3   | L4   | T          | W    |
|-----------------|------|------|------|------|------|------|------|------|------------|------|
| lb/in           |      |      |      |      |      |      |      |      |            |      |
| 1,000 to 4,000  | 0.53 | 1.25 | 0.62 | 5.12 | 0.62 | 1.00 | 3.00 | 2.25 | 1/2-20 UNF | 1.25 |
| 5,000 to 10,000 | 0.78 | 1.50 | 0.75 | 6.75 | 0.75 | 1.50 | 3.75 | 3.12 | 3/4-16 UNF | 1.50 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL30000I** ..... page 120

VPG® TEDEA-HUNTLEIGH

**3411** ..... page 318

ARTECH®

**30310**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA** ..... page 41

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series** ..... page 52

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

352 (± 3) ohm

##### Input Resistance:

350 (± 7) ohm

##### Material/Finish:

Alloy steel, nickel plated

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.025% full scale

##### Non-repeatability:

0.01% full scale

##### Insulation Resistance:

1,000 megohm

##### Deflection at Capacity:

1,000 lb: 0.016 in

2,500 lb: 0.03 in

4,000 lb: 0.04 in

5,000 lb: 0.035 in

10,000 lb: 0.042 in

##### Cable Length:

20 ft

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP

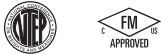
Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product

Pictured with integral  
foot for 250lb-2,000lb

## Approvals



## Order Information

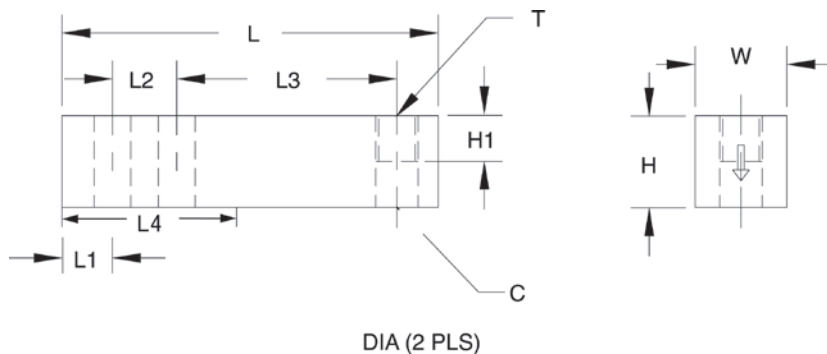
| Load Rating  | Part # | Est. Weight | Price    |
|--|--------|-------------|----------|
| <b>NTEP Certified</b>  |        |             |          |
| 250 lb*  | 69380  | 3 lb        | \$312.00 |
| 500 lb*  | 69381  | 3 lb        | \$312.00 |
| 1,000 lb*  | 69382  | 3 lb        | \$312.00 |
| 2,000 lb*  | 99314  | 3 lb        | \$295.00 |
| 2,500 lb   | 69383  | 3 lb        | \$312.00 |
| 4,000 lb   | 69384  | 3 lb        | \$312.00 |
| 5,000 lb SE  | 69385  | 3 lb        | \$312.00 |
| 5,000 lb   | 69386  | 8 lb        | \$398.00 |
| 10,000 lb  | 69387  | 8 lb        | \$398.00 |
| 15,000 lb  | 69388  | 8 lb        | \$683.00 |
| 20,000 lb  | 69389  | 9 lb        | \$683.00 |
| <b>Conduit Adapters (must be factory installed to maintain warranty)</b> |        |             |          |
| 1/4-18 NPT   | 31534  | 1 lb        | \$37.00  |

SE=Small envelope

\* Load cell has an integral foot

## Dimensions

| Rated Capacity  | C    | H    | H1   | L    | L1   | L2   | L3   | L4   | T          | W    |
|-----------------|------|------|------|------|------|------|------|------|------------|------|
| lb/in           |      |      |      |      |      |      |      |      |            |      |
| 250 to 5,000 SE | 0.53 | 1.23 | 0.67 | 5.12 | 0.62 | 1.00 | 3.00 | 2.25 | 1/2-20 UNF | 1.23 |
| 5,000 to 15,000 | 0.78 | 1.45 | 0.70 | 6.75 | 0.75 | 1.50 | 3.75 | 3.12 | 3/4-16 UNF | 1.50 |
| 20,000          | 1.06 | 1.95 | 0.98 | 8.75 | 1.00 | 2.00 | 4.75 | 4.00 | 1-12 UNF   | 1.95 |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
RL39123\*\* ..... page 123

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
RL50210TA ..... page 41  
RICE LAKE WEIGHING SYSTEMS  
RL1800 Series ..... page 52

\*\* Non-NTEP Certified

## Specifications

**Full Scale Output:**  
3.0 mV/V**Output Resistance:**  
350 (± 3.5) ohm**Input Resistance:**  
350 (± 3.5) ohm**Material/Finish:**  
Stainless steel**Temperature:**  
Compensated range  
0 °F to 150 °F (-18 °C to 65 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)**Seal Type:**  
Environmentally sealed, IP67**Safe Overload:**  
150% full scale**Safe Sideload:**  
100% full scale**Rated Excitation:**  
5 to 10 VDC (15 V maximum)**Combined Error:**  
0.02% full scale**Non-repeatability:**  
0.01% full scale**Insulation Resistance:**  
5,000 megohm**Cable Length:**  
20 ft**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal**Warranty:**  
One-year limited**Approvals:**  
cFMus  
NTEP



Picture is a representation of actual product

Approvals

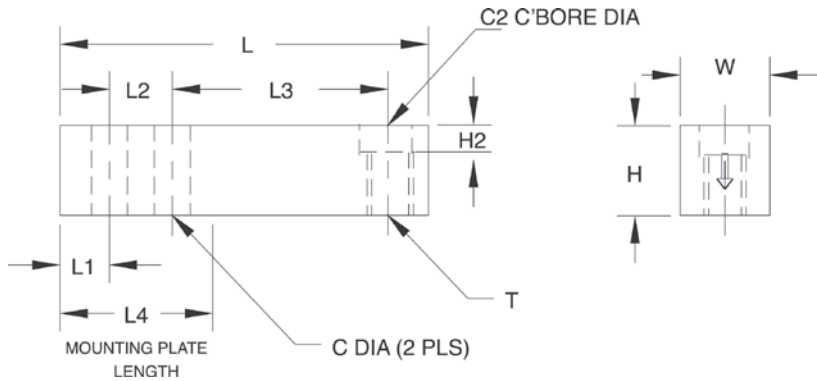


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 17221  | 3 lb        | \$577.00 |
| 2,500 lb    | 17222  | 3 lb        | \$577.00 |
| 4,000 lb    | 17223  | 3 lb        | \$577.00 |
| 5,000 lb    | 17224  | 5 lb        | \$636.00 |
| 10,000 lb   | 17225  | 5 lb        | \$662.00 |

Dimensions

| Rated Capacity  | C    | C2   | H    | H2   | L    | L1   | L2   | L3   | L4   | T          | W    |
|-----------------|------|------|------|------|------|------|------|------|------|------------|------|
| lb/in           |      |      |      |      |      |      |      |      |      |            |      |
| 1,000 to 4,000  | 0.53 | 0.81 | 1.25 | 0.56 | 6.12 | 1.62 | 1.00 | 3.00 | 3.38 | 1/2-20 UNF | 1.25 |
| 5,000 to 10,000 | 0.78 | 1.19 | 1.50 | 0.59 | 7.71 | 1.71 | 1.50 | 3.75 | 4.08 | 3/4-16 UNF | 1.50 |



Specifications

- Full Scale Output:**  
3.0 mV/V
- Output Resistance:**  
350 (± 3.5) ohm
- Input Resistance:**  
350 (± 3.5) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP67
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Non-repeatability:**  
0.01% full scale
- Combined Error:**  
0.03% full scale
- Insulation Resistance:**  
5,000 megohm
- Deflection at Capacity:**  
1,000 lb: 0.016 in  
2,500 lb: 0.03 in  
4,000 lb: 0.041 in  
5,000 lb: 0.035 in  
10,000 lb: 0.042 in
- Cable Length:**  
20 ft
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
One-year limited
- Approvals:**  
cFMus



Picture is a representation of actual product

#### Approvals

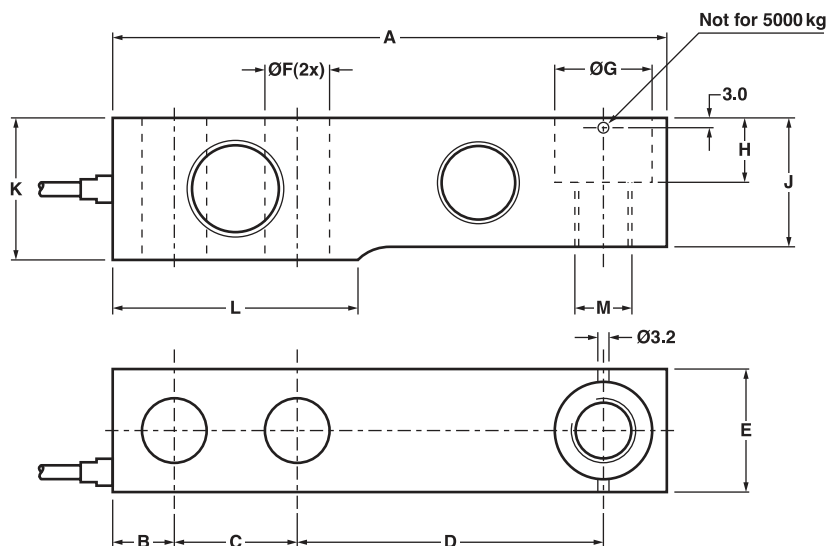


#### Order Information

| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 500 kg      | <b>166750</b> | 2 lb        | \$344.00 |
| 1,000 kg    | <b>166751</b> | 2 lb        | \$344.00 |
| 2,000 kg    | <b>166752</b> | 3 lb        | \$344.00 |
| 5,000 kg    | <b>166753</b> | 4 lb        | \$477.00 |

#### Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F    | G    | H    | J  | K    | L    | M   |
|----------------|-------|------|------|------|------|------|------|------|----|------|------|-----|
| kg/mm          |       |      |      |      |      |      |      |      |    |      |      |     |
| 500            | 130.0 | 15.5 | 25.4 | 76.2 | 31.8 | 13.0 | 20.5 | 14.2 | 26 | 31.8 | 57.1 | M12 |
| 1,000          | 130.0 | 15.5 | 25.4 | 76.2 | 31.8 | 13.0 | 20.5 | 14.2 | 28 | 31.8 | 57.1 | M12 |
| 2,000          | 130.0 | 15.5 | 25.4 | 76.2 | 31.8 | 13.0 | 20.5 | 14.2 | 32 | 35.8 | 57.1 | M12 |
| 5,000          | 172.0 | 19.1 | 38.1 | 95.3 | 38.0 | 20.5 | 30.2 | 20.0 | 40 | 44.0 | 76.2 | M20 |



#### Specifications

##### Full Scale Output:

2mV/V

##### Output Resistance:

1,000 ( $\pm 10$ ) ohm

##### Input Resistance:

1,000 ( $\pm 50$ ) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Hermetically sealed, IP68

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 12 VDC

##### Combined Error:

0.02%

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

500 to 1,000 kg: 3 m

2,000 to 5,000 kg: 6 m

##### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow +Sense

Blue -Sense

##### Warranty:

One-year limited

##### Approvals:

cFMus

OIML

9102

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 Class III Multiple Cell, IP66/68



Picture is a representation of actual product

Approvals

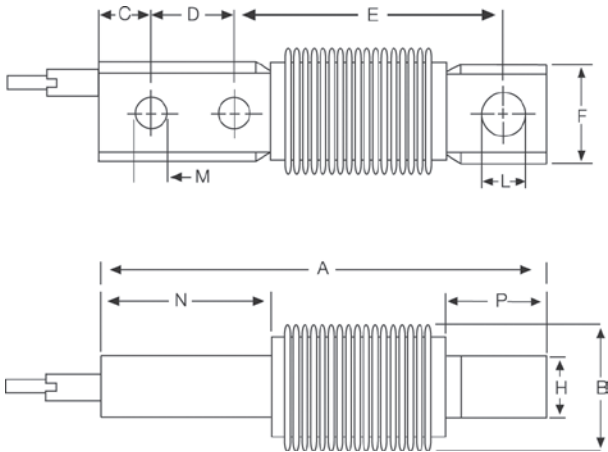


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 200 lb      | 40917  | 2 lb        | \$842.00 |
| 500 lb      | 40918  | 2 lb        | \$842.00 |
| 1,000 lb    | 40919  | 2 lb        | \$842.00 |
| 2,500 lb    | 40920  | 2 lb        | \$842.00 |

Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | H    | L    | M    | N    | P    |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |      |
| 200            | 5.00 | 1.53 | 0.38 | 0.62 | 3.50 | 1.22 | 0.75 | 0.39 | 0.27 | 1.50 | 1.25 |
| 500 to 1,000   | 5.38 | 1.53 | 0.62 | 1.00 | 3.25 | 1.22 | 0.75 | 0.40 | 0.40 | 2.07 | 1.20 |
| 2,500          | 5.38 | 1.53 | 0.62 | 1.00 | 3.25 | 1.22 | 0.75 | 0.53 | 0.40 | 2.07 | 1.20 |



Interchangeable Products

VPG® REVERE  
5102 ..... page 263

Specifications

- Full Scale Output:**  
2.0 mV/V
- Output Resistance:**  
350 (± 3.5) ohm
- Input Resistance:**  
350 (± 3.5) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP66/68
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.03% full scale
- Non-repeatability:**  
0.01% full scale
- Insulation Resistance:**  
5,000 megohm
- Deflection at Capacity:**  
200 lb: 0.020 in  
500 to 2,500 lb: 0.026 in
- Cable Length:**  
10 ft
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
One-year limited
- Approvals:**  
cFMus  
NTEP



Picture is a representation of actual product

## Approvals

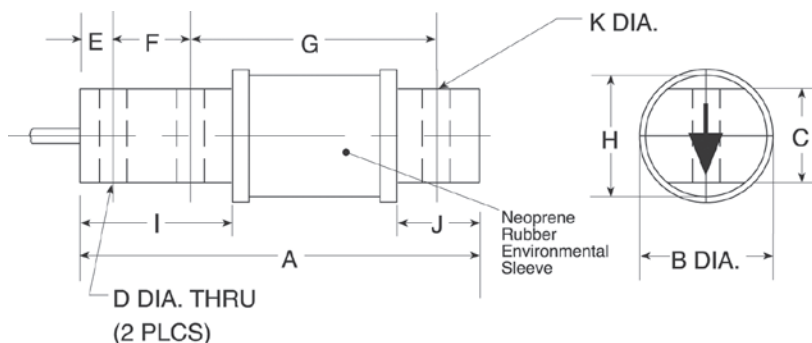


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 lb       | 21709  | 2 lb        | \$514.00 |
| 100 lb      | 21710  | 2 lb        | \$514.00 |
| 200 lb      | 21711  | 2 lb        | \$514.00 |
| 500 lb      | 21712  | 2 lb        | \$514.00 |
| 1,000 lb    | 21713  | 2 lb        | \$535.00 |
| 2,500 lb    | 21714  | 2 lb        | \$535.00 |

## Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | I    | J    | K    |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |      |
| 50 to 200      | 5.00 | 1.25 | 0.75 | 0.27 | 0.38 | 0.62 | 3.50 | 1.23 | 1.50 | 1.25 | 0.39 |
| 500 to 1,000   | 5.38 | 1.25 | 0.75 | 0.41 | 0.62 | 1.00 | 3.25 | 1.23 | 2.07 | 1.20 | 0.41 |
| 2,500          | 5.38 | 1.25 | 0.75 | 0.41 | 0.62 | 1.00 | 3.25 | 1.23 | 2.07 | 1.20 | 0.53 |



## Interchangeable Products

VPG® REVERE

9102 ..... page 262

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3.5) ohm

### Input Resistance:

350 (± 3.5) ohm

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed with neoprene sleeve, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.03% full scale

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

50 to 200 lb: 0.020 in  
500 to 2,500 lb: 0.026 in

### Cable Length:

10 ft

### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

One-year limited

### Approvals:

cFMus



5723

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product

Approvals

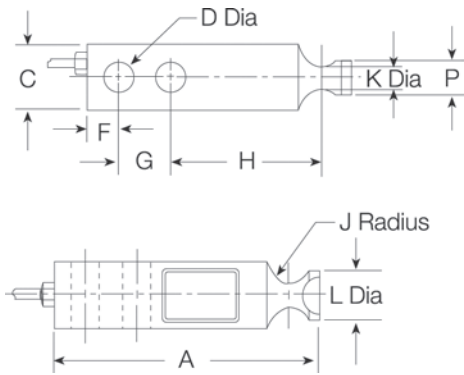


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 31396  | 3 lb        | \$334.00 |
| 1,500 lb    | 79713  | 3 lb        | \$334.00 |
| 2,500 lb    | 31397  | 3 lb        | \$365.00 |
| 4,000 lb    | 31398  | 3 lb        | \$365.00 |
| 5,000 lb    | 31399  | 4 lb        | \$503.00 |
| 7,500 lb    | 85306  | 4 lb        | \$503.00 |
| 10,000 lb   | 31400  | 4 lb        | \$503.00 |

Dimensions

| Rated Capacity  | A    | C    | D    | F    | G    | H    | J    | K    | L    | P    |
|-----------------|------|------|------|------|------|------|------|------|------|------|
| lb/in           |      |      |      |      |      |      |      |      |      |      |
| 1,000 to 4,000  | 5.12 | 1.25 | 0.53 | 0.62 | 1.00 | 3.00 | 0.44 | 0.60 | 0.92 | 0.62 |
| 5,000 to 10,000 | 6.75 | 1.50 | 0.78 | 0.75 | 1.50 | 3.75 | 0.56 | 0.86 | 1.20 | 0.90 |



Interchangeable Products

ARTECH®  
30410

Specifications

- Full Scale Output:**  
3.0 mV/V
- Output Resistance:**  
350 (± 3.5) ohm
- Input Resistance:**  
350 (± 3.5) ohm
- Material/Finish:**  
High-alloy steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VAC/DC (15 V maximum)
- Non-repeatability:**  
0.01% full scale
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
5,000 megohm
- Deflection at Capacity:**  
1,000 lb: 0.016 in  
2,500 lb: 0.03 in  
4,000 lb: 0.04 in  
5,000 lb: 0.035 in  
10,000 lb: 0.042 in
- Cable Length:**  
20 ft
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
One-year limited
- Approvals:**  
cFMus  
NTEP



Picture is a representation of actual product

### Approvals

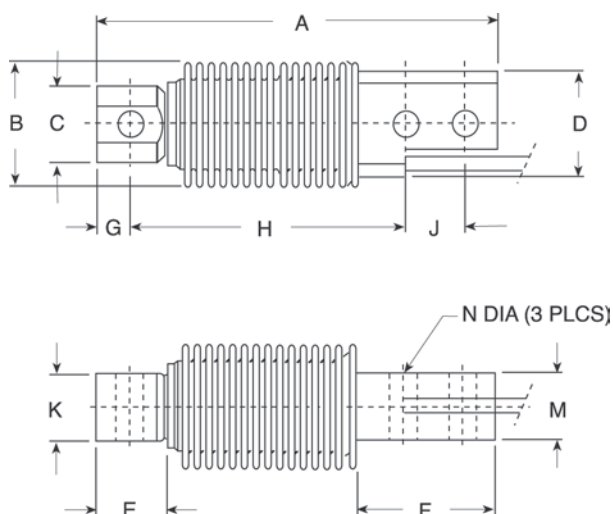


### Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 20 kg       | <b>28801</b> | 2 lb        | \$455.00 |
| 50 kg       | <b>28802</b> | 2 lb        | \$455.00 |
| 100 kg      | <b>28803</b> | 2 lb        | \$455.00 |
| 200 kg      | <b>28804</b> | 2 lb        | \$455.00 |

### Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F    | G    | H    | J    | K    | M    | N    |
|----------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| kg/mm          |       |      |      |      |      |      |      |      |      |      |      |      |
| 20 to 200      | 120.0 | 38.0 | 22.9 | 31.7 | 21.2 | 42.0 | 10.0 | 82.0 | 18.0 | 20.0 | 20.0 | 8.20 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLHBB**

HBK®

**Z6** ..... page 238

VPG® TEDEA-HUNTLEIGH

**355** ..... page 321

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

350 (± 3.5) ohm

#### Input Resistance:

460 (± 3.5) ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Welded-seal, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.02% full scale (SHB-A3)

#### Non-repeatability:

0.01% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

0.4 mm

#### Cable Length:

10 ft

#### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

#### Warranty:

One-year limited

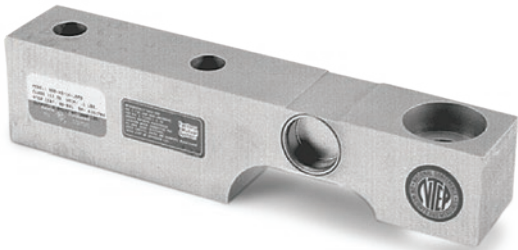
#### Approvals:

cFMus

NTEP

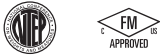
SSB

Stainless Steel, Welded Seal, NTEP Certified 1:10,000 Class IIIL Single Cell, IP67



Picture is a representation of actual product

Approvals

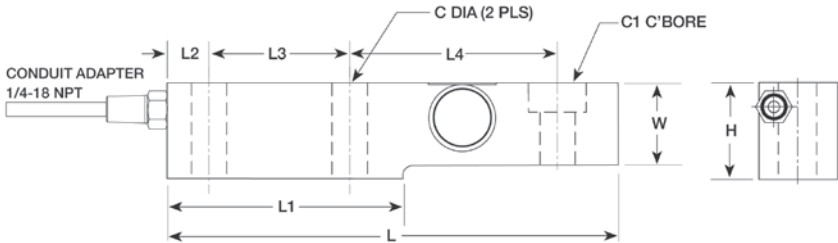


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 21538  | 5 lb        | \$726.00 |
| 2,000 lb    | 21539  | 5 lb        | \$726.00 |
| 5,000 lb    | 21540  | 5 lb        | \$726.00 |
| 10,000 lb   | 21541  | 10 lb       | \$805.00 |

Dimensions

| Rated Capacity | C    | W    | C1             | H    | L    | L1   | L2   | L3   | L4   | CONDUIT ADAPTER |
|----------------|------|------|----------------|------|------|------|------|------|------|-----------------|
| lb/in          |      |      |                |      |      |      |      |      |      |                 |
| 1,000 to 5,000 | 0.53 | 1.44 | 1.19 x 0.56 DP | 1.88 | 8.00 | 4.00 | 0.75 | 2.50 | 3.87 | 1/4-18NPT       |
| 10,000         | 0.88 | 1.88 | 1.63 x 0.62 DP | 2.75 | 9.25 | 4.62 | 0.81 | 2.62 | 4.87 | 1/4-18NPT       |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
RLSSB.....page 128  
HBK®  
SB3

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
RL1900 Series.....page 55

Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
350 (± 3.5) ohm

**Input Resistance:**  
350 (± 3.5) ohm

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Welded-seal, IP67

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5 to 10 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Non-repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohm

**Deflection at Capacity:**  
0.018 in

**Cable Length:**  
15 ft

**Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal

**Warranty:**  
One-year limited

**Approvals:**  
cFMus  
NTEP



Picture is a representation of actual product

#### Approvals

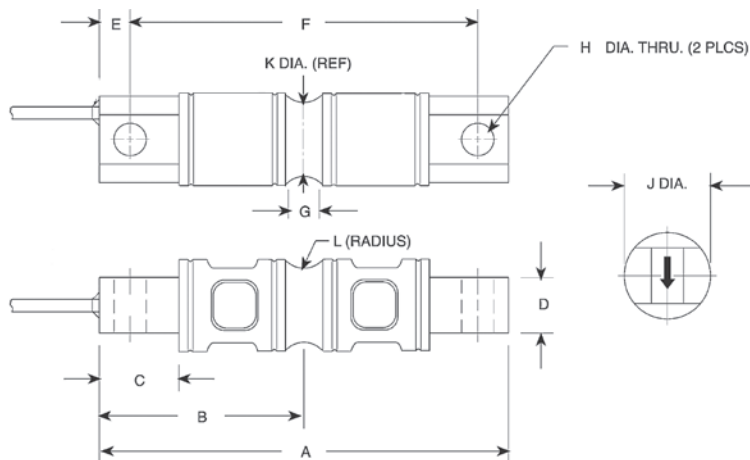


#### Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 5,000 lb    | 34494  | 5 lb        | \$694.00   |
| 10,000 lb   | 34495  | 5 lb        | \$694.00   |
| 20,000 lb   | 34496  | 6 lb        | \$694.00   |
| 30,000 lb   | 34497  | 19 lb       | \$800.00   |
| 40,000 lb   | 34498  | 19 lb       | \$800.00   |
| 50,000 lb   | 34499  | 19 lb       | \$895.00   |
| 60,000 lb   | 34500  | 19 lb       | \$895.00   |
| 75,000 lb   | 159506 | 19 lb       | \$895.00   |
| 100,000 lb  | 34501  | 30 lb       | \$1,563.00 |
| 150,000 lb  | 17292  | 35 lb       | \$1,563.00 |
| 200,000 lb  | 17293  | 46 lb       | \$2,940.00 |
| 250,000 lb  | 17294  | 92 lb       | \$2,940.00 |

#### Dimensions

| Rated Capacity     | A     | B    | C    | D    | E    | F     | G    | H    | J     | K    | L    |
|--------------------|-------|------|------|------|------|-------|------|------|-------|------|------|
| lb/in              |       |      |      |      |      |       |      |      |       |      |      |
| 5,000 to 10,000    | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.87  | 0.62 | 0.65 | 1.70  | 1.48 | 0.50 |
| 20,000             | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.87  | 0.84 | 0.65 | 1.95  | 1.48 | 0.50 |
| 30,000 to 75,000   | 10.25 | 5.12 | 1.88 | 2.37 | 0.88 | 8.50  | 1.00 | 1.06 | 3.00  | 2.73 | 1.00 |
| 100,000            | 11.25 | 5.62 | 1.88 | 2.50 | 0.88 | 9.50  | 1.00 | 1.06 | 3.50  | 3.24 | 1.50 |
| 150,000            | 11.25 | 5.62 | 1.88 | 2.80 | 0.88 | 9.50  | 1.25 | 1.06 | 3.90  | 3.64 | 1.50 |
| 200,000 to 250,000 | 16.10 | 8.05 | 3.05 | 4.60 | 1.55 | 13.00 | 1.30 | 1.55 | 5.375 | 5.17 | 2.00 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL70000.....page 140

RL72020.....page 136

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

EZ Mount 1.....page 72

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

700 ( $\pm 7$ ) ohm

##### Input Resistance:

700 ( $\pm 7$ ) ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Non-repeatability:

0.01% full scale

##### Combined Error:

0.025% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

5,000 lb: 0.02 in

10,000 lb: 0.025 in

20,000 lb: 0.042 in

30,000 to 50,000 lb: 0.02 in

60,000 lb: 0.025 in

100,000 to 150,000 lb: 0.02 in

200,000 to 250,000 lb: 0.035 in

##### Cable Length:

30 ft

##### Cable Diameter:

0.295 in

Polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

### Approvals

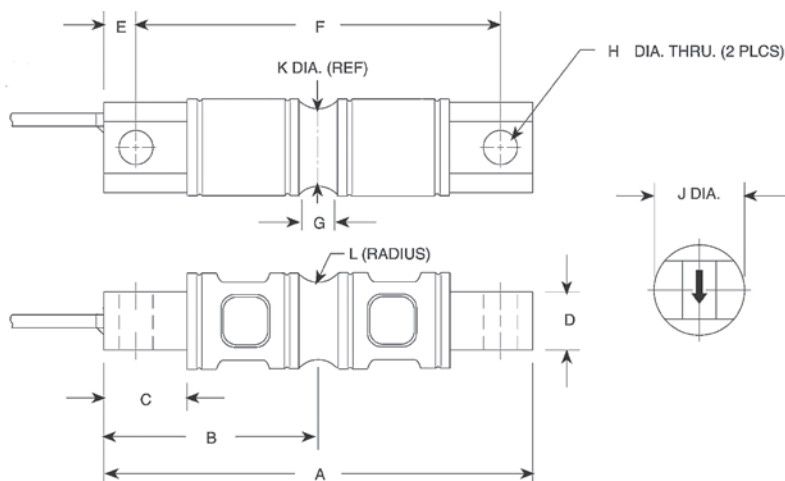


### Order Information

| Load Rating   | Part # | Est. Weight | Price      |
|---|--------|-------------|------------|
| <b>NTEP Certified</b>   |        |             |            |
| 10,000 lb   | 17329  | 5 lb        | \$820.00   |
| 20,000 lb   | 17330  | 5 lb        | \$820.00   |
| 30,000 lb   | 17331  | 19 lb       | \$901.00   |
| 40,000 lb   | 17332  | 19 lb       | \$901.00   |
| 50,000 lb   | 17333  | 19 lb       | \$1,007.00 |
| 60,000 lb   | 17334  | 19 lb       | \$1,007.00 |
| 100,000 lb  | 17335  | 30 lb       | \$1,960.00 |
| <b>Non-NTEP Certified</b>   |        |             |            |
| 5,000 lb  | 17328  | 5 lb        | \$795.00   |
| 150,000 lb  | 17336  | 30 lb       | \$2,008.00 |
| <b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b> |        |             |            |
| 3/8-24 to 1/4-18NPT   | 31534  | 1 lb        | \$37.00    |
| 5/8-18UNF to 1/2-14 NPT   | 31535  | 1 lb        | \$37.00    |

### Dimensions

| Rated Capacity   | A     | B    | C    | D    | E    | F    | G    | H    | J    | K    | L    |
|------------------|-------|------|------|------|------|------|------|------|------|------|------|
| lb/in            |       |      |      |      |      |      |      |      |      |      |      |
| 5,000 to 10,000  | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88 | 0.62 | 0.66 | 1.70 | 1.48 | 0.50 |
| 20,000           | 8.12  | 4.06 | 1.44 | 1.12 | 0.62 | 6.88 | 0.84 | 0.66 | 1.95 | 1.48 | 0.50 |
| 30,000 to 60,000 | 10.25 | 5.12 | 1.88 | 2.37 | 0.88 | 8.50 | 1.00 | 1.06 | 3.00 | 2.73 | 1.00 |
| 100,000          | 11.25 | 5.62 | 1.88 | 2.50 | 0.88 | 9.50 | 1.00 | 1.06 | 3.50 | 3.24 | 1.50 |
| 150,000          | 11.25 | 5.62 | 1.88 | 2.80 | 0.88 | 9.50 | 1.25 | 1.06 | 3.90 | 3.64 | 1.50 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL70000SS ..... page 142

RL72020SS ..... page 137

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

EZ Mount 1 ..... page 72

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

700 (± 7) ohm

#### Input Resistance:

700 (± 7) ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Non-repeatability:

0.02% full scale

#### Combined Error:

0.03% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

5,000 lb: 0.02 in

10,000 lb: 0.025 in

20,000 lb: 0.042 in

30,000 to 50,000 lb: 0.02 in

60,000 lb: 0.025 in

100,000 to 150,000 lb: 0.02 in

#### Cable Length:

30 ft

#### Cable Diameter:

0.295 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP



Picture is a representation of actual product

### Approvals

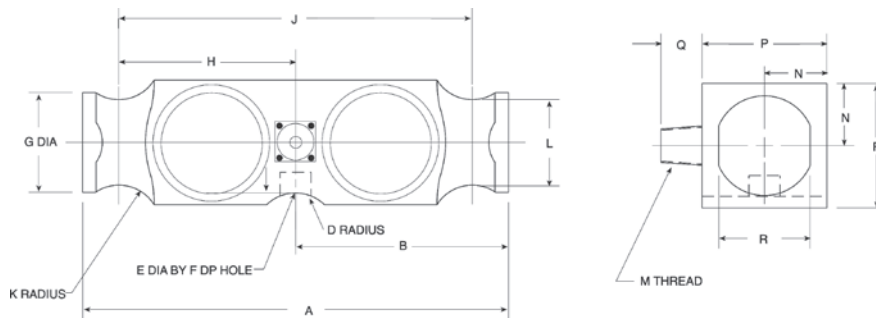


### Order Information

| Load Rating            | Part #        | Est. Weight | Price      |
|------------------------|---------------|-------------|------------|
| 50,000 lb              | <b>21605</b>  | 22 lb       | \$901.00   |
| 65,000 lb              | <b>21606</b>  | 22 lb       | \$901.00   |
| 100,000 lb             | <b>21607</b>  | 22 lb       | \$1,160.00 |
| <b>Overbraid Cable</b> |               |             |            |
| 50,000 lb              | <b>101121</b> | 24 lb       | \$948.00   |
| 65,000 lb              | <b>101122</b> | 24 lb       | \$948.00   |
| 100,000 lb             | <b>101123</b> | 24 lb       | \$1,266.00 |

### Dimensions

| Rated Capacity   | A     | B    | D    | E    | F    | G    | H    | J    | K    | L    | M          | N    | P    | Q    | R    |
|------------------|-------|------|------|------|------|------|------|------|------|------|------------|------|------|------|------|
| lb/in            |       |      |      |      |      |      |      |      |      |      |            |      |      |      |      |
| 50,000 to 65,000 | 10.25 | 5.12 | 1.00 | 0.75 | 0.78 | 2.40 | 5.13 | 8.50 | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |
| 100,000          | 10.25 | 5.12 | 1.00 | —    | —    | 2.40 | 5.13 | 8.50 | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75223** ..... page 153

THURMAN®

**TSC 800**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink™** ..... page 85

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

700 (± 7) ohm

#### Input Resistance:

700 (± 7) ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Welded-seal, IP67

(Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry)

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 VDC (20 V maximum)

#### Combined Error:

0.025% full scale

#### Non-repeatability:

0.01% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

50,000 lb: 0.018 in

65,000 lb: 0.022 in

100,000 lb: 0.034 in

#### Cable Length:

40 ft

#### Cable Diameter:

0.295 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

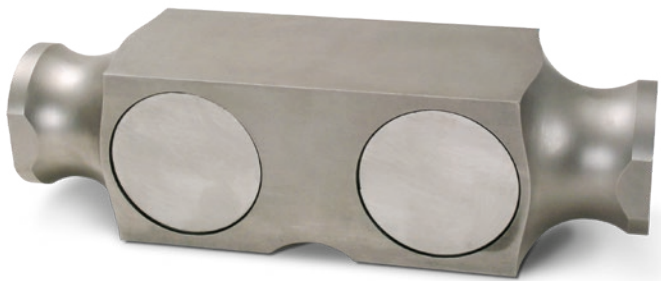
#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP



Picture is a representation of actual product

Approvals

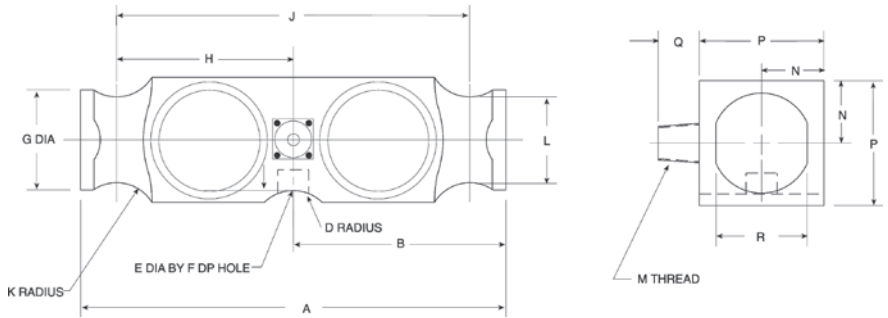


Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 50,000 lb   | 84150  | 22 lb       | \$1,055.00 |
| 65,000 lb   | 84151  | 22 lb       | \$1,055.00 |
| 100,000 lb  | 84152  | 22 lb       | \$1,394.00 |
| 125,000 lb  | 84153  | 22 lb       | \$1,394.00 |

Dimensions

| Rated Capacity    | A     | B    | D    | E    | F    | G    | H    | J    | K    | L    | M          | N    | P    | Q    | R    |
|-------------------|-------|------|------|------|------|------|------|------|------|------|------------|------|------|------|------|
| lb/in             |       |      |      |      |      |      |      |      |      |      |            |      |      |      |      |
| 50,000 to 125,000 | 10.25 | 5.12 | 1.00 | 0.75 | 0.78 | 2.40 | 5.13 | 8.50 | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 2.94 | 1.03 | 2.20 |



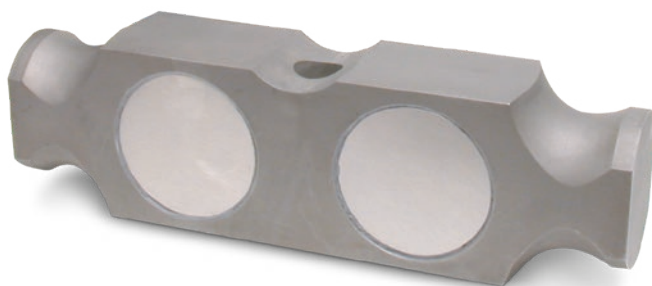
Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
Translink™ ..... page 85

Specifications

- Full Scale Output:**  
3.0 mV/V
- Output Resistance:**  
700 (± 7) ohm
- Input Resistance:**  
700 (± 7) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (20 V maximum)
- Non-repeatability:**  
0.01% full scale
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
5,000 megohm
- Deflection at Capacity:**  
50,000 lb: 0.018 in  
65,000 lb: 0.022 in  
100,000 lb: 0.034 in
- Cable Length:**  
40 ft
- Cable Diameter:**  
0.295 in  
Polyurethane jacket
- Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
One-year limited
- Approvals:**  
cFMus  
NTEP





Picture is a representation of actual product

#### Approvals

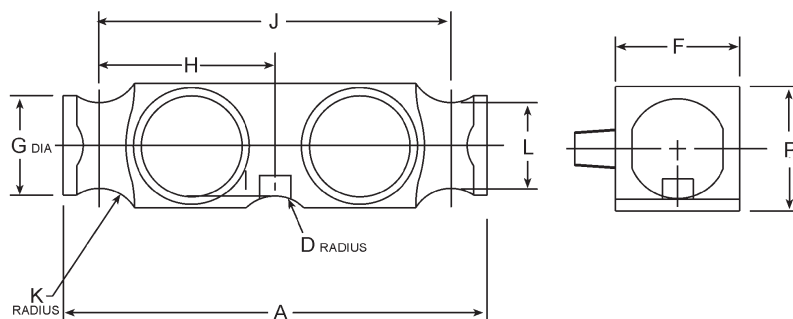


#### Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 50,000 lb   | 69489  | 17 lb       | \$1,000.00 |
| 65,000 lb   | 69490  | 17 lb       | \$1,000.00 |
| 100,000 lb  | 124390 | 17 lb       | \$1,000.00 |

#### Dimensions

| Rated Capacity    | A     | D    | F    | G    | H    | J    | K    | L    | P    |
|-------------------|-------|------|------|------|------|------|------|------|------|
| lb/in             |       |      |      |      |      |      |      |      |      |
| 50,000 to 100,000 | 10.25 | 1.00 | 1.94 | 2.40 | 4.25 | 8.50 | 1.00 | 2.06 | 2.94 |



#### Interchangeable Products

NV TECHNOLOGY®

BLC-2-XX-N

THURMAN®

10088970A-50K

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

700 ( $\pm 3.5$ ) ohm

##### Input Resistance:

700 ( $\pm 3.5$ ) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Non-repeatability:

0.01% full scale

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

30 ft

##### Cable Diameter:

0.295 in

Polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

Approvals

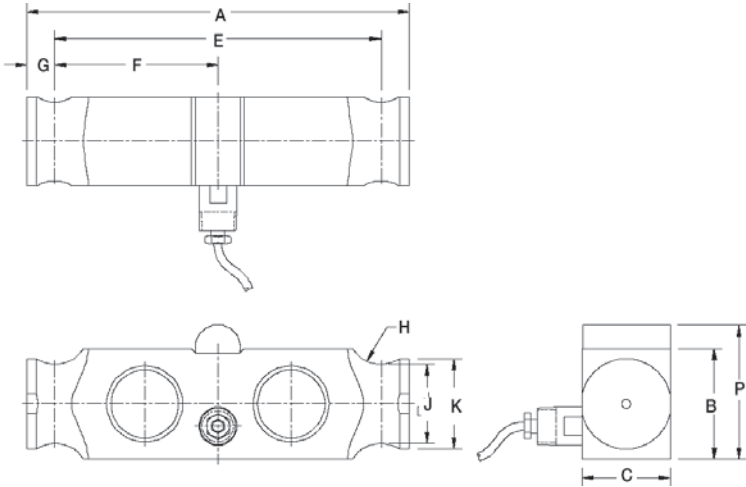


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50,000 lb   | 84156  | 13 lb       | \$885.00 |
| 60,000 lb   | 84157  | 13 lb       | \$885.00 |

Dimensions

| Rated Capacity   | A    | B    | C    | E    | F    | G    | H    | J    | K    | P    |
|------------------|------|------|------|------|------|------|------|------|------|------|
| lb/in            |      |      |      |      |      |      |      |      |      |      |
| 50,000 to 60,000 | 8.50 | 2.45 | 1.95 | 7.25 | 3.63 | 0.63 | 0.75 | 1.75 | 2.00 | 3.00 |

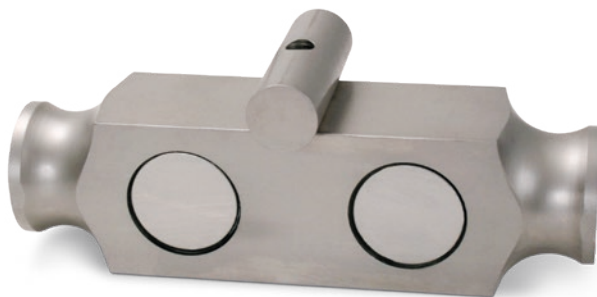


Interchangeable Products

NV TECHNOLOGY®  
BLC-1-N-WP

Specifications

- Full Scale Output:**  
3.0 mV/V
- Output Resistance:**  
700 (± 7) ohm
- Input Resistance:**  
700 (± 7) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP67
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Non-repeatability:**  
0.01% full scale
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
30 ft
- Cable Diameter:**  
0.295 in polyurethane jacket
- Cable Color Code:**  
Red -Excitation  
Black -Excitation  
Green +Signal  
White -Signal
- Warranty:**  
One-year limited
- Approvals:**  
cFMus  
NTEP



Picture is a representation of actual product

#### Approvals

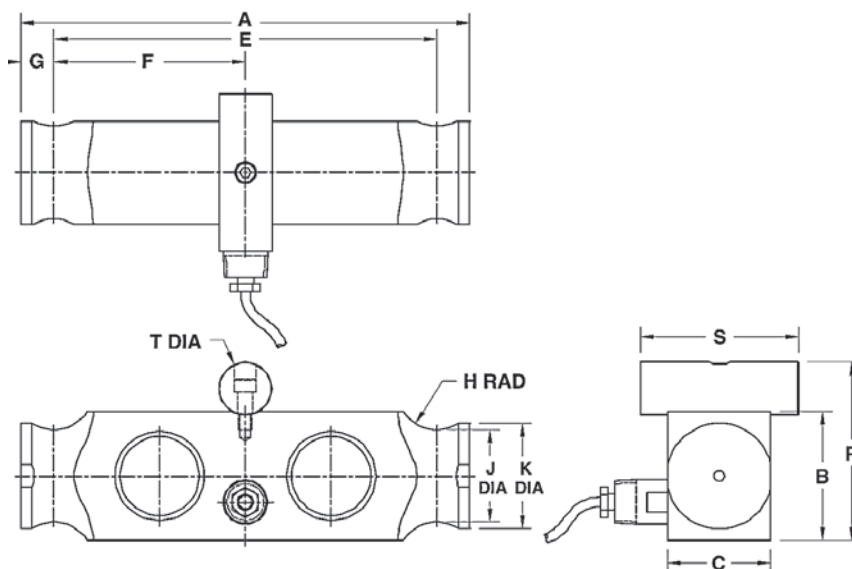


#### Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 50,000 lb   | 79711  | 14 lb       | \$1,007.00 |
| 60,000 lb   | 79712  | 14 lb       | \$1,055.00 |

#### Dimensions

| Rated Capacity   | A    | B    | C    | E    | F    | G    | H    | J    | K    | R    | S    | T    |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| lb/in            |      |      |      |      |      |      |      |      |      |      |      |      |
| 50,000 to 60,000 | 8.50 | 2.45 | 1.95 | 7.25 | 3.62 | 0.63 | 0.75 | 1.75 | 2.00 | 3.38 | 3.00 | 1.00 |



#### Interchangeable Products

NV TECHNOLOGY®

BLC-1-N

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

700 ( $\pm 7$ ) ohm

##### Input Resistance:

700 ( $\pm 7$ ) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Non-repeatability:

0.01% full scale

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

30 ft

##### Cable Diameter:

0.295 in

Polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

Approvals



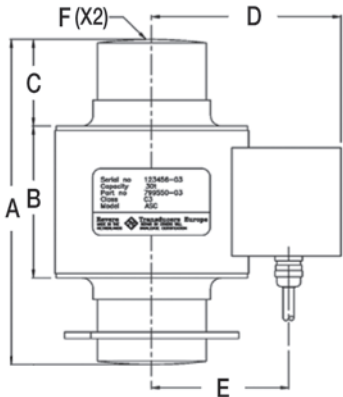
Available upon request

Order Information

| Load Rating                    | Part # | Est. Weight | Price    |
|--------------------------------|--------|-------------|----------|
| OIML                           |        |             |          |
| 30 T                           | 151312 | 5 lb        | \$736.00 |
| 40 T                           | 151313 | 5 lb        | \$736.00 |
| 50 T                           | 151314 | 5 lb        | \$736.00 |
| Options                        |        |             |          |
| Load Cup Set (Upper and Lower) | 160452 | 6 lb        | \$100.00 |

Dimensions

| Rated Capacity | A   | B  | C  | D  | E  | F    |
|----------------|-----|----|----|----|----|------|
| T/mm           |     |    |    |    |    |      |
| 30 to 50       | 150 | 70 | 40 | 87 | 69 | R200 |



Specifications

- Full Scale Output:**  
2.00 (± 0.02) mV/V
- Output Resistance:**  
700 (± 7) ohm
- Input Resistance:**  
700 (± 35) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Hermetically sealed, IP68
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 20 VDC
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
15 m
- Cable Diameter:**  
0.295 in polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal
- Warranty:**  
One-year limited
- Approvals:**  
cFMus  
OIML  
Ex (available upon request)

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class IIIL Multiple Cell, OIML C3, IP66/68



Picture is a representation of actual product

## Approvals



## Order Information: NTEP Certified

| Load Rating           | Part # | Est. Weight | Price    |
|-----------------------|--------|-------------|----------|
| <b>NTEP Certified</b> |        |             |          |
| 0.5 T                 | 36190  | 2 lb        | \$689.00 |
| 1 T                   | 36191  | 2 lb        | \$689.00 |
| 2 T                   | 36192  | 3 lb        | \$742.00 |
| 3.5 T                 | 36193  | 3 lb        | \$742.00 |
| 5 T                   | 36194  | 3 lb        | \$742.00 |
| 10 T                  | 177263 | 6 lb        | \$742.00 |
| <b>OIML</b>           |        |             |          |
| 0.25 T                | 126714 | 2 lb        | \$689.00 |
| 0.5 T                 | 126715 | 2 lb        | \$689.00 |
| 1 T                   | 126716 | 2 lb        | \$742.00 |
| 2 T                   | 126717 | 3 lb        | \$742.00 |
| 3.5 T                 | 126718 | 3 lb        | \$742.00 |
| 5 T                   | 126719 | 3 lb        | \$742.00 |
| 10 T                  | 177262 | 3 lb        | \$742.00 |

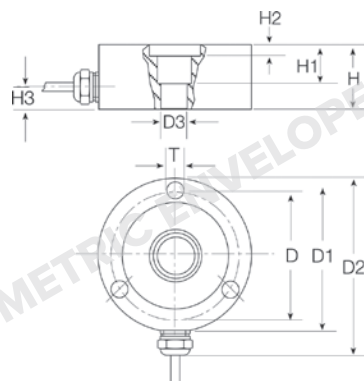
## Replacement Rocker Pin Set\*

| Load Rating (Per Module) | Part # | Price    |
|--------------------------|--------|----------|
| 250 kg to 1 T            | 170875 | \$132.00 |
| 2 T to 5 T               | 170876 | \$132.00 |
| 10 T                     | 170877 | \$132.00 |

\*Kit includes upper cup, rocker pin and grease

## Dimensions

| Rated Capacity | D    | D1   | D2   | D3   | H    | H1   | H2   | H3   | T             |
|----------------|------|------|------|------|------|------|------|------|---------------|
| T/in           |      |      |      |      |      |      |      |      |               |
| 0.25 to 1      | 2.76 | 3.15 | 3.84 | 0.40 | 0.99 | 0.60 | 0.04 | 0.37 | M6 (3 x 120°) |
| 2 to 5         | 2.76 | 3.15 | 3.84 | 0.60 | 1.18 | 0.79 | 0.24 | 0.33 | M6 (3 x 120°) |
| 10             | 3.26 | 3.74 | 4.42 | 0.98 | 1.37 | 0.58 | -    | 0.39 | M6 (3 x 120°) |



## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RLC..... page 63

## Specifications

## Full Scale Output:

2.0 mV/V

## Output Resistance:

1,025 (± 25) ohm

## Input Resistance:

1,110 (± 50) ohm

## Material/Finish:

Stainless steel

## Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

## Seal Type:

Hermetically sealed, IP66/68

## Safe Overload:

150% full scale

## Safe Sideload:

100% full scale

## Rated Excitation:

5 to 10 VDC (15 V maximum)

## Combined Error:

0.02% full scale

## Insulation Resistance:

5,000 megohm

## Cable Length:

5 m

## Cable Color Code:

Pink +Excitation

Grey -Excitation

Brown +Signal

White -Signal

## Warranty:

One-year limited

## Approvals:

FM

OIML

NTEP



Picture is a representation of actual product

### Approvals

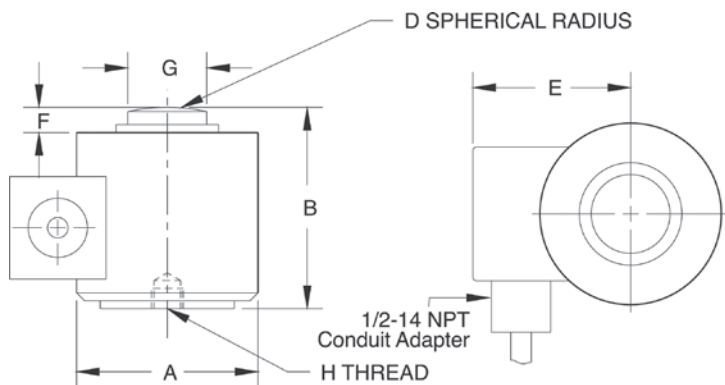


### Order Information

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 10,000 lb   | <b>17588</b> | 8 lb        | \$1,425.00 |
| 25,000 lb   | <b>17589</b> | 8 lb        | \$1,425.00 |
| 50,000 lb   | <b>17590</b> | 8 lb        | \$1,425.00 |
| 100,000 lb  | <b>17591</b> | 16 lb       | \$1,575.00 |
| 200,000 lb  | <b>17592</b> | 40 lb       | \$2,432.00 |
| 300,000 lb  | <b>17593</b> | 40 lb       | \$2,676.00 |
| 500,000 lb  | <b>17594</b> | 53 lb       | \$4,765.00 |

### Dimensions

| Rated Capacity     | A    | B    | D     | E    | F    | G    | H          | DEPTH of H |
|--------------------|------|------|-------|------|------|------|------------|------------|
| lb/in              |      |      |       |      |      |      |            |            |
| 10,000 to 50,000   | 2.48 | 3.25 | 6.00  | 3.30 | 0.40 | 1.25 | 1/2-20 UNF | 0.31       |
| 100,000            | 4.12 | 5.00 | 6.00  | 3.50 | 0.51 | 2.31 | 3/4-16 UNF | 0.56       |
| 200,000 to 300,000 | 6.00 | 7.25 | 17.00 | 4.60 | 1.04 | 3.13 | 3/4-16 UNF | 0.75       |
| 500,000            | 6.50 | 9.00 | 17.00 | 4.80 | 0.56 | 3.69 | 3/4-16 UNF | 0.75       |



### Interchangeable Products

VPG® REVERE

**392B**

ARTECH®

**90210**

CARDINAL®

**CP1**

HOWE RICHARDSON®

**20908XXX**

STREETER AMET®

**3753070, 3752030, 3752040, 3751940**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**MagnaMount®** .....page 87

### Specifications

#### Full Scale Output:

1.75 mV/V

#### Output Resistance:

480 (± 4.8) ohm

#### Input Resistance:

450 (± 4.5) ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Welded-seal, IP68

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.15% full scale

#### Non-repeatability:

0.03% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

10,000 to 50,000 lb: 0.003 in  
100,000 to 300,000 lb: 0.006 in  
500,000 lb: 0.009 in

#### Cable Length:

30 ft

#### Cable Diameter:

0.295 in  
Polyurethane jacket

#### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus



Picture is a representation of actual product

#### Approvals

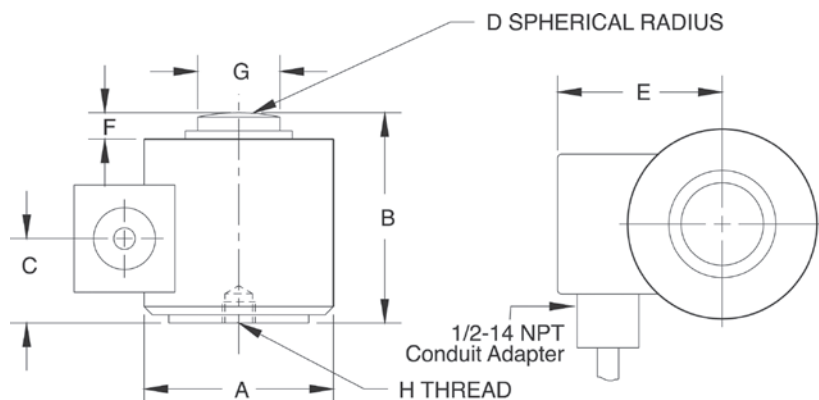


#### Order Information

| Load Rating                            | Part #        | Est. Weight | Price      |
|--|---------------|-------------|------------|
| <b>NTEP Certified, 30 ft Cable</b>     |               |             |            |
| 25,000 lb                              | <b>21649</b>  | 7 lb        | \$1,700.00 |
| 50,000 lb                              | <b>21650</b>  | 7 lb        | \$1,700.00 |
| 100,000 lb                             | <b>21651</b>  | 15 lb       | \$1,892.00 |
| 200,000 lb                             | <b>21652</b>  | 36 lb       | \$2,538.00 |
| <b>NTEP Certified, 60 ft Cable</b>     |               |             |            |
| 200,000 lb                             | <b>188769</b> | 40 lb       | \$2,645.00 |
| <b>Non-NTEP Certified, 30 ft Cable</b> |               |             |            |
| 10,000 lb                              | <b>17595</b>  | 6 lb        | \$1,611.00 |
| 300,000 lb                             | <b>17597</b>  | 40 lb       | \$2,645.00 |
| 500,000 lb                             | <b>17598</b>  | 40 lb       | \$4,966.00 |
| <b>OIML, 60 ft Cable</b>               |               |             |            |
| 60 T                                   | <b>194528</b> | 15 lb       | \$1,892.00 |

#### Dimensions

| Rated Capacity     | A    | B    | C    | D     | E    | F    | G    | H          | DEPTH of H |
|--------------------|------|------|------|-------|------|------|------|------------|------------|
| lb/in              |      |      |      |       |      |      |      |            |            |
| 10,000 to 50,000   | 2.88 | 3.25 | 1.28 | 6.00  | 2.51 | 0.40 | 1.25 | 1/2-20 UNF | 0.38       |
| 100,000            | 4.12 | 5.00 | 2.15 | 6.00  | 3.39 | 0.51 | 2.31 | 3/4-16 UNF | 0.56       |
| 200,000 to 300,000 | 6.00 | 7.25 | 3.63 | 17.00 | 4.26 | 1.04 | 3.13 | 3/4-16 UNF | 0.75       |
| 500,000            | 6.50 | 9.00 | 4.34 | 17.00 | 4.59 | 0.56 | 3.69 | 3/4-16 UNF | 0.75       |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLCSP1\*** .....page 156

VPG® REVERE

**692B\***

ARTECH

**90310\***

HOWE RICHARDSON®

**244699-000X\***

STREETER AMET3760XXX

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**MagnaMount®** .....page 87

\* Load cell diameter may not be identical

#### Specifications

##### Full Scale Output:

2 mV/V

##### Output Resistance:

480 (± 4.8) ohm

##### Input Resistance:

450 (± 4.5) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Welded-seal, IP68

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale (0.05% Non-NTEP Certified)

##### Non-repeatability:

0.01% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

10,000 to 50,000 lb: 0.003 in

100,000 to 300,000 lb: 0.006 in

500,000 lb: 0.009 in

##### Cable Length:

30 ft

60 ft

##### Cable Diameter:

0.295 in

Polyurethane jacket

##### Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP

OIML





Picture is a representation of actual product

Approvals

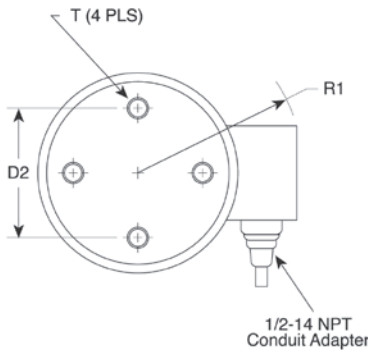
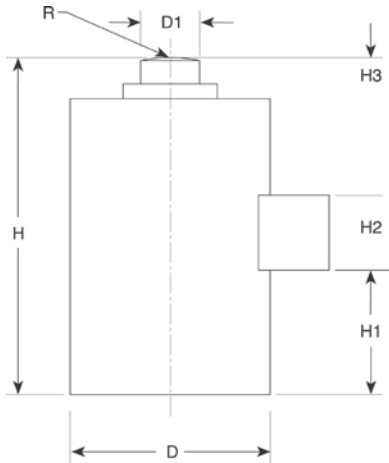


Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 50,000 lb   | 31307  | 19 lb       | \$2,326.00 |
| 100,000 lb  | 31306  | 35 lb       | \$2,326.00 |
| 200,000 lb  | 31305  | 74 lb       | \$3,598.00 |

Dimensions

| Rated Capacity | D    | D1   | D2   | H     | H1   | H2   | H3   | R     | R1   | T                    |
|----------------|------|------|------|-------|------|------|------|-------|------|----------------------|
| lb/in          |      |      |      |       |      |      |      |       |      |                      |
| 50,000         | 4.50 | 1.25 | 2.38 | 7.50  | 3.06 | 1.60 | 0.75 | 6.00  | 3.75 | 3/8-24 UNF x .63 DP  |
| 100,000        | 5.75 | 1.75 | 4.00 | 9.13  | 2.60 | 1.60 | 1.05 | 12.00 | 4.05 | 1/2-20 UNF x .75 DP  |
| 200,000        | 7.50 | 2.50 | 5.50 | 11.63 | 3.95 | 1.60 | 0.97 | 12.00 | 5.11 | 5/8-18 UNF x 1.00 DP |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
**RL8C2P1SST** ..... page 157  
ARTECH®  
**90405**

Specifications

- Full Scale Output:**  
2.0 mV/V
- Output Resistance:**  
350 (± 3.5) ohm
- Input Resistance:**  
350 (± 3.5) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP68
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Non-repeatability:**  
0.01% full scale
- Combined Error:**  
0.03% full scale
- Insulation Resistance:**  
5,000 megohm
- Deflection at Capacity:**  
50,000 lb: 0.004 in  
100,000 lb: 0.006 in  
200,000 lb: 0.009 in
- Cable Length:**  
35 ft
- Cable Diameter:**  
0.295 in  
Polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal
- Warranty:**  
One-year limited
- Approvals:**  
cFMus  
NTEP



Picture is a representation of actual product

### Approvals

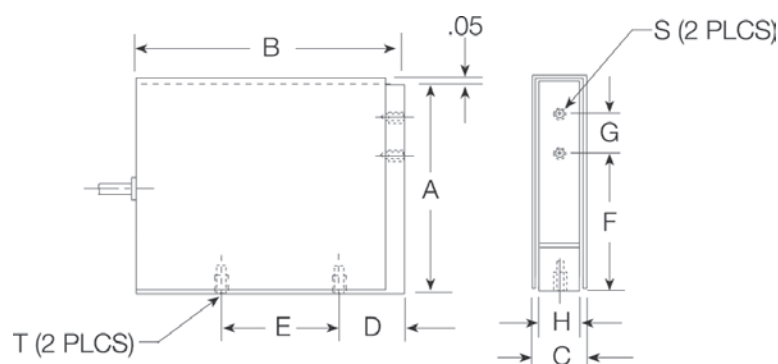


### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 2 lb        | 17442  | 3 lb        | \$630.00 |
| 5 lb        | 17443  | 3 lb        | \$630.00 |
| 10 lb       | 17444  | 3 lb        | \$630.00 |
| 20 lb       | 17445  | 3 lb        | \$630.00 |
| 50 lb       | 17446  | 5 lb        | \$662.00 |
| 100 lb      | 17447  | 5 lb        | \$662.00 |
| 250 lb      | 17448  | 5 lb        | \$683.00 |

### Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | T                   | S                   |
|----------------|------|------|------|------|------|------|------|------|---------------------|---------------------|
| lb/in          |      |      |      |      |      |      |      |      |                     |                     |
| 2 to 20        | 4.00 | 5.13 | 0.91 | 1.25 | 2.20 | 2.60 | 0.75 | 0.75 | 1/4-28 UNF x .38 DP | 10-32 UNF x .25 DP  |
| 50 to 100      | 4.60 | 6.00 | 1.16 | 1.90 | 2.20 | 2.60 | 1.00 | 1.00 | 3/8-24 UNF x .50 DP | 1/4-28 UNF x .50 DP |
| 250            | 4.60 | 6.00 | 1.16 | 1.90 | 2.20 | 2.35 | 1.50 | 1.00 | 3/8-24 UNF x .50 DP | 3/8-24 UNF x .50 DP |



### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

350 ( $\pm 3.5$ ) ohm

#### Input Resistance:

390 ( $\pm 15$ ) ohm

#### Material/Finish:

Alloy steel with stainless steel cover

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 VDC nominal (15 V maximum)

#### Combined Error:

0.03% full scale

#### Non-repeatability:

0.01% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

2 to 20 lb: 0.06 in  
50 to 250 lb: 0.04 in

#### Cable Length:

10 ft

#### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus



Picture is a representation of actual product

Approvals

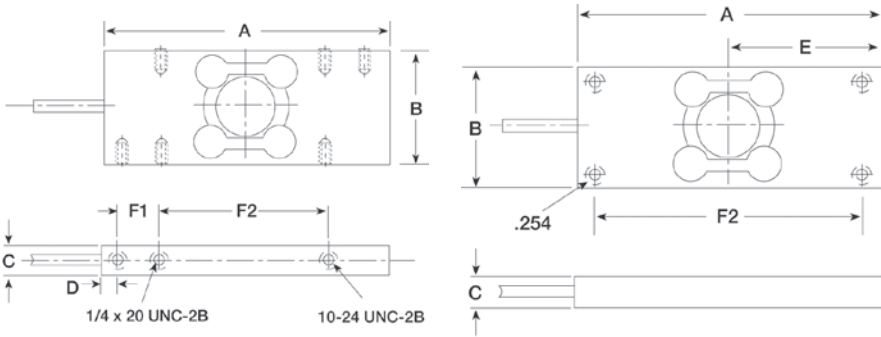


Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 6 kg        | 22335  | 2 lb        | \$652.00 |
| 6 kg        | 116475 | 2 lb        | \$652.00 |
| 25 lb       | 17406  | 2 lb        | \$652.00 |
| 50 lb       | 17407  | 2 lb        | \$652.00 |
| 100 lb      | 17408  | 2 lb        | \$826.00 |

Dimensions

| Rated Capacity | A     | B    | C    | D   | E    | F1   | F2    |
|----------------|-------|------|------|-----|------|------|-------|
| kg/mm          |       |      |      |     |      |      |       |
| 6              | 127.0 | 50.2 | 18.5 | —   | 63.5 | —    | 107.9 |
| 25 to 50       | 127.0 | 50.2 | 18.5 | 6.3 | —    | 19.0 | 76.2  |
| 100            | 127.0 | 46.2 | 23.8 | 6.3 | —    | 19.0 | 76.2  |



HPS 6 kg - 100 lbs  
(PN 22335, 17406, 17407, 17408)

HPS (6 KGS)  
(PN 116475)

Specifications

- Full Scale Output:**  
25 to 100 lb: 3.0 mV/V  
6 kg: 2.0 mV/V
- Output Resistance:**  
350 (± 7) ohm
- Input Resistance:**  
400 (± 6) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP67
- Safe Overload:**  
150% full scale
- Rated Excitation:**  
5 to 10 VAC (15 V maximum)
- Combined Error:**  
0.03% full scale
- Non-repeatability:**  
0.01% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
10 ft
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal
- Warranty:**  
One-year limited
- Approvals:**  
cFMus



Picture is a representation of actual product

## Approvals

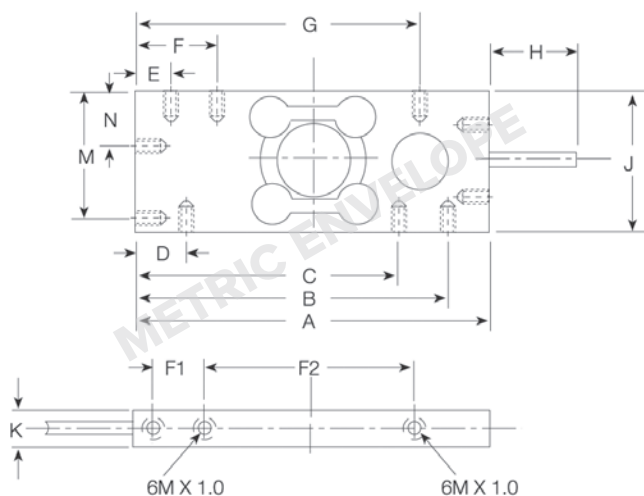


## Order Information

| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 6 kg        | <b>22334</b>  | 2 lb        | \$652.00 |
| 12 kg       | <b>109131</b> | 2 lb        | \$652.00 |
| 30 kg       | <b>115336</b> | 2 lb        | \$736.00 |

## Dimensions

| Rated Capacity | A   | B   | C  | D  | E  | F  | F1 | F2 | G   | H  | J  | K  | M  | N  |
|----------------|-----|-----|----|----|----|----|----|----|-----|----|----|----|----|----|
| kg/mm          |     |     |    |    |    |    |    |    |     |    |    |    |    |    |
| 6 to 30        | 130 | 117 | 98 | 23 | 14 | 33 | 19 | 75 | 108 | 25 | 50 | 19 | 44 | 20 |



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3.5$ ) ohm

### Input Resistance:

350 ( $\pm 3.5$ ) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Welded-seal, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.03% full scale

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

20 ft

### Cable Color Code:

Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal

### Warranty:

One-year limited

### Approvals:

cFMus

LOAD CELL  
**AX3040**

Alloy Steel, Environmentally Sealed, IP66



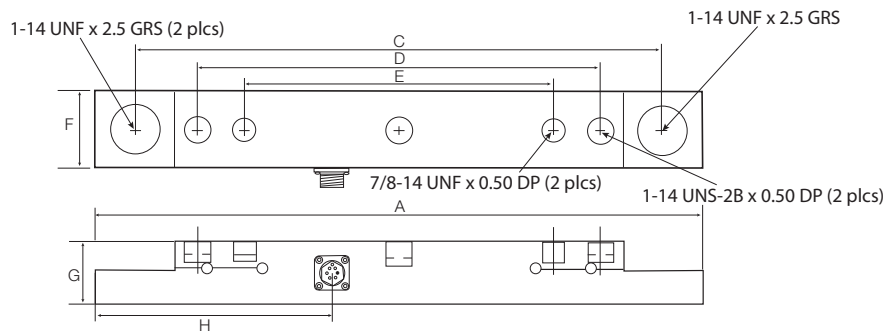
Picture is a representation of actual product

Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 20,000 lb   | 111766 | 30 lb       | \$1,170.00 |

Dimensions

| Rated Capacity | A     | B     | C     | D     | E     | F    | G    | H    |
|----------------|-------|-------|-------|-------|-------|------|------|------|
| lb/in          |       |       |       |       |       |      |      |      |
| 20,000         | 22.60 | 24.60 | 19.60 | 15.00 | 11.50 | 2.84 | 2.38 | 8.80 |



Specifications

- Full Scale Output:** 0.5 mV/V at 12,500 lb
- Output Resistance:** 350 ohm (nominal)
- Input Resistance:** 350 ohm (nominal)
- Material/Finish:** Alloy steel
- Temperature:** Operating range 0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:** Environmentally sealed, IP66
- Manufacturer Model Number:** 8300420-10
- Rated Excitation:** 15 VDC
- Non-linearity:** ±1.0% full scale
- Insulation Resistance:** 5,000 megohm at 50 VDC
- Warranty:** One-year limited

### S-BEAMS

#### Page 287

#### 60001, ALLOY STEEL



Suitable for single- or multiple-cell tension load applications. Nickel plated, high-alloy steel construction. Complete with 20 ft of load cell cable and full environmental protection with stainless steel side plates. Capacities range from 25 to 20,000 lb. Capacities of 5,000 lb or higher have standardized output for multiple-cell installations.



#### Page 288

#### 60050, STAINLESS STEEL



Suitable for single- or multiple-cell applications. Complete with 20 ft of load cell cable and full environmental protection with stainless steel side plates. Stainless steel construction for added corrosion protection. Capacities range from 250 to 20,000 lb. Capacities of 5,000 lb or higher have standardized output for multiple-cell installations.



#### Page 289

#### 60063, STAINLESS STEEL



Welded-seal, stainless steel, s-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP Certified in capacities ranging from 500 to 5,000 lb. 10,000 lb is non-NTEP Certified.



### SINGLE-ENDED

#### Page 290

#### 65023A-5297, ALLOY STEEL



The Vishay SENSORTRONICS 65023 has been a staple in the Rice Lake Weighing Systems Load Cell Guide for years. This model is manufactured from high-alloy steel and is nickel-plated to provide protection from the elements. The latest version is the 65023-XX-5297, which is custom featured with matched outputs and 8.5 ft of load cell cable. This model was originally designed for Fairbanks® scales under part number 65023-XX-5164 and can now be purchased from Rice Lake Weighing Systems for replacement applications. Available in capacities of 1,000 lb, 2,500 lb and 5,000 lb.



#### Page 291

#### 65023A-5107-10, ALLOY STEEL



The 65023A-5107-10 is a replacement load cell for the previously offered 65023-5141 Vishay SENSORTRONICS cell. The 65023A-5107-10 is appropriate for a specific OEM manufacturer and is available through Rice Lake Weighing Systems to help streamline your parts orders. This model was previously specific to Pennsylvania Scale and features a 10 ft of load cell cable. Available in 1,000 lb and 2,500 lb capacities.



#### Page 292

#### 65023A-5507, ALLOY STEEL



The 65023A-XX-5507 is a low profile version of the 65023A-XX-5107 at just 0.75 in high. Available in 1,000 lb and 2,500 lb capacities.



#### Page 293

#### 65023A, ALLOY STEEL



Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Nickel-plated alloy steel with a threaded loading hole. Capacities from 250 to 20,000 lb.



## SINGLE-ENDED BEAMS

Page 294

### 65023SS, STAINLESS STEEL



Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded hole for loading. Available in 250 lb, 500 lb, 15,000 lb and 20,000 lb capacities.



Page 295

### 65023S, STAINLESS STEEL



Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded hole for loading. Capacities range from 1,000 to 10,000 lb.



Page 296

### 65083, STAINLESS STEEL



This welded-seal precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083 has a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities range from 1,000 to 10,000 lb. Complete with 20 ft of load cell cable.



Page 297

### 65083S, STAINLESS STEEL



This precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083S is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities range from 1,000 to 10,000 lb. Complete with 20 ft of load cell cable.



Page 298

### 60040, ALLOY STEEL



Designed for low-profile, single- or multiple-cell weighing applications. Complete with 20 ft of load cell cable. Nickel plated, high-alloy steel construction, environmentally protected with a neoprene sleeve. Capacities range from 25 to 500 lb.



## SINGLE POINTS

Page 299

### 60048SS, STAINLESS STEEL



Load cell specifically designed for heavy-duty, off-center loads on a 20 x 20 inch platform. Stainless steel construction specially designed for washdown situations. Complete with 10 ft of load cell cable. 1,000 lb capacity load cell may be used with 30 x 30 inch platform. Capacities range from 50 to 1,000 lb.



Page 300

### 60051, STAINLESS STEEL



Designed as a replacement for the NCI® Mark III in hostile environments. Stainless steel, moisture-resistant single-point cell. Complete with 10 ft of load cell cable. 10 lb to 25 lb cells may be used with a base size of 8 x 8 inch; 50 to 200 lb cells may be used with a base size of 12 x 12 inch.



Page 301

### 60060, ALUMINUM



High-capacity, off-center load cell accurately weighs loads on a 30 x 30 inch platform. Aluminum clear anodized construction. Capacities range from 100 to 2,000 lb. Complete with 10 ft of load cell cable.





## DOUBLE-ENDED BEAMS

Page 302

### 65016, ALLOY STEEL



Nickel plated and environmentally protected with stainless steel side plates. Designed for center loading compatibility with RL1600 tank weighing assemblies. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.



Page 303

### 65016W, STAINLESS STEEL



Offered in stainless steel and with welded-seal. Designed for center loading compatibility with RL1600 tank weighing assemblies. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.



Page 304

### 65016WH, STAINLESS STEEL



Stainless steel, full hermetic version of the popular 65016 series load cells. Capacities range from 1,000 to 25,000 lb. Complete with 25 ft of load cell cable.



Page 305

### 65058A, ALLOY STEEL



Nickel plated and environmentally protected with stainless steel side plates. Designed for center link loading and compatibility with the MVS or similar suspension systems up to 75,000 lb. NTEP Certified capacities range from 20,000 to 125,000 lb; non-NTEP Certified capacity of 10,000 lb. Complete with 35 ft of load cell cable.



Page 306

### 65058S, STAINLESS STEEL

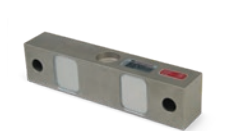


The Vishay Sensortronics 65058S is a double-ended beam specifically designed for harsh environment vehicle weighing applications. This stainless steel, welded-seal load cell is an ideal substitute for traditional alloy steel, nickel plated units where corrosive or washdown conditions exist. This model is compatible with both the MVS and TSA mounts, and is available in capacities ranging from 20,000 to 125,000 lb. Each unit is provided with a standard 35 ft of load cell cable.



Page 307

### 65061A, ALLOY STEEL



This unique double-ended beam has been a standard model in Fairbanks truck scales for years. This NTEP Certified, zinc plated, alloy steel load cell (stainless, welded-seal in 50,000 lb is also available) is sealed with a potting compound that has been proven through the test of time in numerous applications. This unit is offered in capacities of 40,000 lb and 50,000 lb, and is affordably priced compared to other replacement load cell options in the marketplace. Each unit is provided with a 60 ft of copper over braid load cell cable.



Page 308

### 65040A, ALLOY STEEL



Nickel plated and environmentally protected with stainless steel side plates. Designed for center mounting and double link loading. Capacities range from 25,000 to 125,000 lb. Complete with 35 ft of load cell cable.



Page 309

### 65040S, STAINLESS STEEL



This model is an upgraded version of the Vishay Sensortronics 65040A, and is offered in stainless steel, with welded sealing. The center-supported, double-ended beam design is compatible with Unilink/Translink mounts. The full stainless, welded-seal upgrade makes this model ideal for applications where harsh chemicals and washdown conditions exist. This model is available in capacities ranging from 25,000 to 75,000 lb, and is provided with a standard 35 ft of load cell cable.



DOUBLE-ENDED BEAMS

Page 310

65040A-1127W, ALLOY STEEL



This center-loaded, double-link load cell is made of alloy steel with an epoxy paint finish. It is a replacement for the RL75223 or RTI 5223 load cell, and is NTEP Certified. It comes with 40 ft of cable, and is available in 50,000 lb, 65,000 lb and 100,000 lb capacities.



ROCKER COLUMN

Page 311

65114, STAINLESS STEEL



The 65114 was specially designed to provide the superior protection of stainless steel and hermetic sealing for truck scale applications. This model is built to provide a high degree of accuracy while protecting against the severe conditions that truck scale load cells often endure. The easy installation of "rocker column" type load cells also provides a distinct advantage over traditional market alternatives. Available in two different heights, this product can easily be adapted to existing applications.





Picture is a representation of actual product

#### Approvals

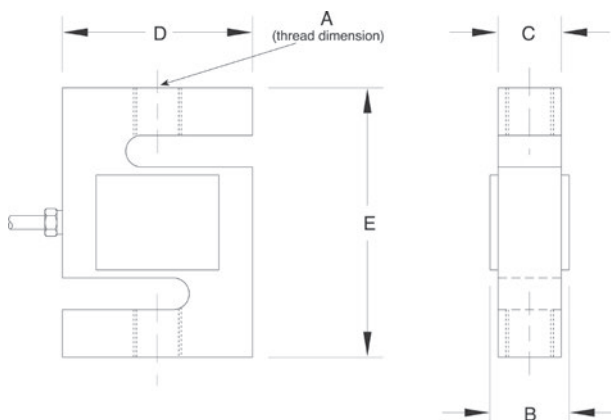


#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 25 lb       | 61116  | 2 lb        | \$312.00 |
| 50 lb       | 61117  | 2 lb        | \$312.00 |
| 100 lb      | 61118  | 2 lb        | \$312.00 |
| 200 lb      | 61119  | 2 lb        | \$312.00 |
| 250 lb      | 61120  | 2 lb        | \$312.00 |
| 300 lb      | 61121  | 2 lb        | \$312.00 |
| 500 lb      | 61122  | 2 lb        | \$312.00 |
| 750 lb      | 61123  | 2 lb        | \$312.00 |
| 1,000 lb    | 61124  | 2 lb        | \$312.00 |
| 1,500 lb    | 61125  | 2 lb        | \$312.00 |
| 2,000 lb    | 61126  | 2 lb        | \$312.00 |
| 2,500 lb    | 61127  | 2 lb        | \$355.00 |
| 3,000 lb    | 61128  | 2 lb        | \$355.00 |
| 5,000 lb    | 61129  | 4 lb        | \$503.00 |
| 10,000 lb   | 61130  | 5 lb        | \$503.00 |
| 15,000 lb   | 61131  | 7 lb        | \$609.00 |
| 20,000 lb   | 61132  | 18 lb       | \$949.00 |

#### Dimensions

| Rated Capacity | A            | B    | C    | D    | E    |
|----------------|--------------|------|------|------|------|
| lb/in          |              |      |      |      |      |
| 25 to 200      | 1/4-28 UNF   | 0.65 | 0.50 | 2.00 | 2.50 |
| 250 to 300     | 3/8-24 UNF   | 0.75 | 0.50 | 2.00 | 3.00 |
| 500 to 2,000   | 1/2-20 UNF   | 1.00 | 0.75 | 2.00 | 3.00 |
| 2,500 to 3,000 | 1/2-20 UNF   | 1.25 | 1.00 | 2.00 | 3.00 |
| 5,000          | 3/4-16 UNF   | 1.25 | 1.00 | 3.00 | 4.25 |
| 10,000         | 3/4-16 UNF   | 1.25 | 1.00 | 3.50 | 4.75 |
| 15,000         | 1-14 UNS     | 1.50 | 1.25 | 4.00 | 5.50 |
| 20,000         | 1 1/4-12 UNF | 2.25 | 2.00 | 5.00 | 7.00 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL20001I ..... page 107

VPG® CELTRON

STC..... page 200

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated Tension

Cell Mount..... page 38

#### Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

349 to 355 ohm

**Input Resistance:**

343 to 450 ohm

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Rated Excitation:**

5 to 10 V DC (15 V maximum)

**Combined Error:**

0.03% full scale

**Insulation Resistance:**

5,000 megohm

**Cable Length:**

20 ft

**Cable Diameter:**

0.200 in

Polyurethane jacket

**Cable Color Code:**

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

**Warranty:**

One-year limited

**Approvals:**

cFMus

NTEP



Picture is a representation of actual product

### Approvals

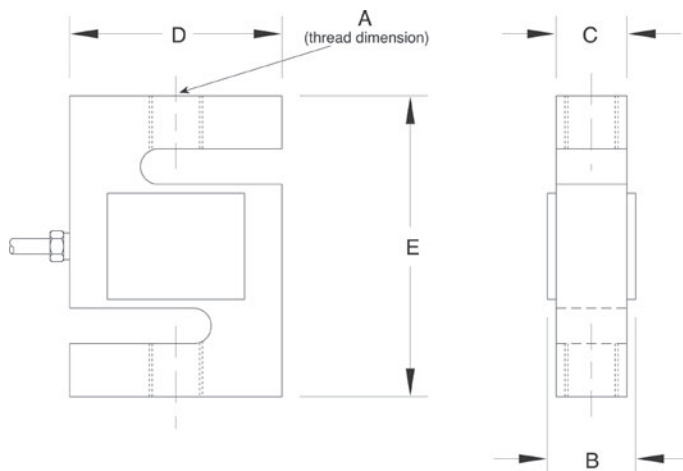


### Order Information

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 250 lb      | <b>17077</b> | 2 lb        | \$344.00   |
| 500 lb      | <b>17078</b> | 3 lb        | \$344.00   |
| 750 lb      | <b>17079</b> | 3 lb        | \$344.00   |
| 1,000 lb    | <b>17080</b> | 3 lb        | \$344.00   |
| 1,500 lb    | <b>17081</b> | 3 lb        | \$344.00   |
| 2,000 lb    | <b>17082</b> | 3 lb        | \$387.00   |
| 2,500 lb    | <b>17083</b> | 3 lb        | \$387.00   |
| 3,000 lb    | <b>17084</b> | 3 lb        | \$387.00   |
| 5,000 lb    | <b>17085</b> | 4 lb        | \$583.00   |
| 10,000 lb   | <b>17086</b> | 5 lb        | \$583.00   |
| 15,000 lb   | <b>17087</b> | 8 lb        | \$689.00   |
| 20,000 lb   | <b>17088</b> | 16 lb       | \$1,033.00 |

### Dimensions

| Rated Capacity | A            | B    | C    | D    | E    |
|----------------|--------------|------|------|------|------|
| lb/in          |              |      |      |      |      |
| 250            | 3/8-24 UNF   | 0.75 | 0.50 | 2.00 | 3.00 |
| 500 to 1,500   | 1/2-20 UNF   | 1.00 | 0.75 | 2.00 | 3.00 |
| 2,000 to 3,000 | 1/2-20 UNF   | 1.25 | 1.00 | 2.00 | 3.00 |
| 5,000          | 3/4-16 UNF   | 1.25 | 1.00 | 3.00 | 4.25 |
| 10,000         | 3/4-16 UNF   | 1.25 | 1.00 | 3.50 | 4.75 |
| 15,000         | 1-14 UNS     | 1.50 | 1.25 | 4.00 | 5.50 |
| 20,000         | 1 1/4-12 UNF | 2.00 | 1.94 | 5.00 | 7.00 |



### Interchangeable Products

VPG® CELTRON

**STC SS**.....page 201

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension**

**Cell Mount**.....page 38

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

349 to 355 ohm

#### Input Resistance:

343 to 450 ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Nonlinearity:

0.03% full scale

#### Hysteresis:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Cable Length:

20 ft

#### Cable Diameter:

0.200 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus



Picture is a representation of actual product

#### Approvals

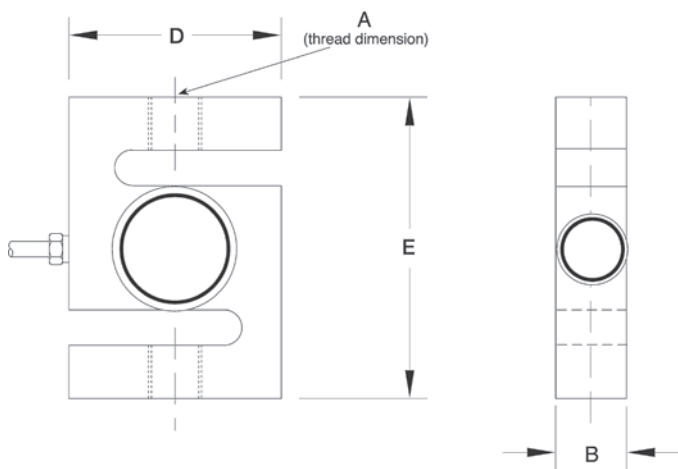


#### Order Information

| Load Rating               | Part #       | Est. Weight | Price      |
|---------------------------|--------------|-------------|------------|
| <b>NTEP Certified</b>     |              |             |            |
| 500 lb                    | <b>36272</b> | 3 lb        | \$875.00   |
| 750 lb                    | <b>36273</b> | 3 lb        | \$875.00   |
| 1,000 lb                  | <b>36274</b> | 3 lb        | \$875.00   |
| 1,500 lb                  | <b>36275</b> | 3 lb        | \$875.00   |
| 2,000 lb                  | <b>36276</b> | 3 lb        | \$875.00   |
| 2,500 lb                  | <b>36277</b> | 3 lb        | \$875.00   |
| 3,000 lb                  | <b>36278</b> | 3 lb        | \$875.00   |
| 5,000 lb                  | <b>36279</b> | 4 lb        | \$1,160.00 |
| <b>Non-NTEP Certified</b> |              |             |            |
| 10,000 lb                 | <b>36280</b> | 4 lb        | \$1,160.00 |

#### Dimensions

| Rated Capacity  | A          | B    | D    | E    |
|-----------------|------------|------|------|------|
| lb/in           |            |      |      |      |
| 500 to 3,000    | 1/2-20 UNF | 1.00 | 2.00 | 3.00 |
| 5,000 to 10,000 | 3/4-16 UNF | 1.00 | 3.50 | 4.75 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
**RL20001HE**.....page 108

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**ITCM Isolated Tension Cell Mount**..... page 38

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

349 to 355 ohm

##### Input Resistance:

349 to 350 ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Welded-seal, IP68

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 V DC (15 V maximum)

##### Combined Error:

0.03% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

20 ft

##### Cable Diameter:

0.200 in

polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

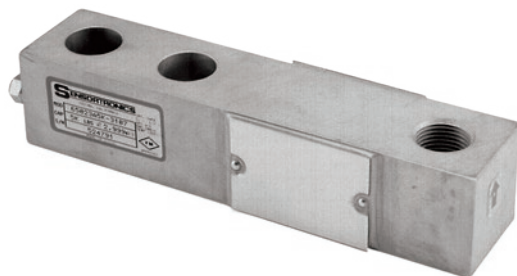
##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

#### Approvals



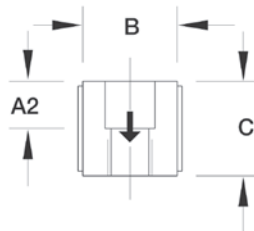
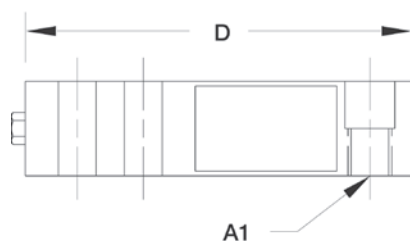
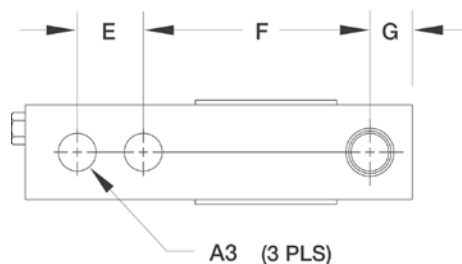
#### Order Information

| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 1,000 lb    | <b>68825</b>  | 3 lb        | \$312.00 |
| 2,500 lb    | <b>68824</b>  | 3 lb        | \$312.00 |
| 5,000 lb LE | <b>156957</b> | 5 lb        | \$398.00 |

LE=large envelope

#### Dimensions

| Rated Capacity | A1         | A2   | A3   | B    | C    | D    | E    | F    | G    |
|----------------|------------|------|------|------|------|------|------|------|------|
| lb/in          |            |      |      |      |      |      |      |      |      |
| 1,000 to 2,500 | 1/2-20 UNF | 0.62 | 0.53 | 1.25 | 1.25 | 5.12 | 1.00 | 3.00 | 0.50 |
| 5,000 LE       | 3/4-16 UNF | 0.75 | 0.78 | 1.50 | 1.50 | 6.75 | 1.50 | 3.75 | 0.75 |



#### Interchangeable Products

FAIRBANKS®

**65023A-XX-5164**

#### Specifications

##### Full Scale Output:

3.0 mV/V  
mV/V/ohm calibration

##### Output Resistance:

349 to 355 ohm

##### Input Resistance:

343 to 357 ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 V DC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

1,000 lb: 0.013 in  
2,500 to 5,000 lb: 0.015 in

##### Cable Length:

1,000 to 2,500 lb: 8.5 ft  
5,000 lb: 10 ft

##### Cable Diameter:

0.200 in  
Polyurethane jacket

##### Cable Color Code:

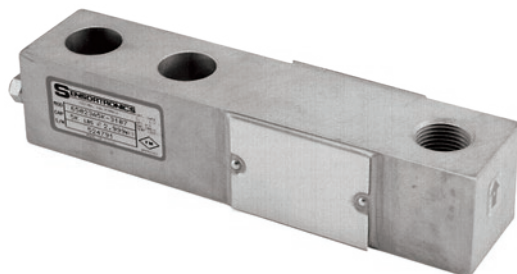
Red + Excitation  
Black – Excitation  
Green + Signal  
White – Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus  
NTEP



Picture is a representation of actual product

### Approvals

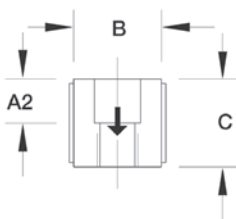
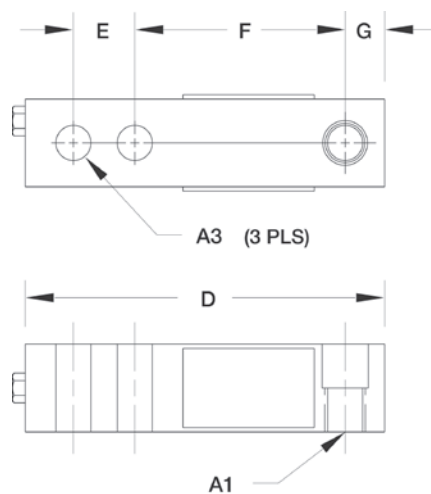


### Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 1,000 lb    | <b>68827</b> | 3 lb        | \$312.00 |
| 2,500 lb    | <b>68826</b> | 3 lb        | \$312.00 |

### Dimensions

| Rated Capacity | A1         | A2   | A3   | B    | C    | D    | E    | F    | G    |
|----------------|------------|------|------|------|------|------|------|------|------|
| lb/in          |            |      |      |      |      |      |      |      |      |
| 1,000 to 2,500 | 1/2-20 UNF | 0.62 | 0.53 | 1.25 | 1.25 | 5.12 | 1.00 | 3.00 | 0.50 |



### Interchangeable Products

PENNSYLVANIA®  
**65023A-XX-5141**

### Specifications

#### Full Scale Output:

3.0 mV/V  
mV/V/ohm calibrated

#### Output Resistance:

349 to 355 ohm

#### Input Resistance:

343 to 357 ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

1,000 lb: 0.013 in

2,500 lb: 0.015 in

#### Cable Length:

10 ft

#### Cable Diameter:

0.200 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP





Picture is a representation of actual product

#### Approvals

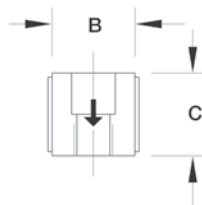
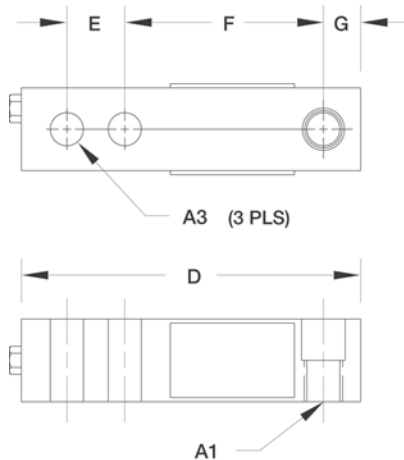


#### Order Information

| Load Rating | Part #        | Est. Weight | Price    |
|-------------|---------------|-------------|----------|
| 1,000 lb    | <b>107785</b> | 3 lb        | \$312.00 |
| 2,500 lb    | <b>107786</b> | 3 lb        | \$312.00 |

#### Dimensions

| Rated Capacity | A1         | A3   | B    | C    | D    | E    | F    | G    |
|----------------|------------|------|------|------|------|------|------|------|
| lb/in          |            |      |      |      |      |      |      |      |
| 1,000 to 2,500 | 1/2-20 UNF | 0.53 | 1.25 | 0.75 | 5.12 | 1.00 | 3.00 | 0.50 |



#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

349 to 355 ohm

##### Input Resistance:

343 to 357 ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 V DC (15 V DC max)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

1,000 lb: 0.013 in

2,500 lb: 0.015 in

##### Cable Length:

10 ft

##### Cable Diameter:

0.200 in

Polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

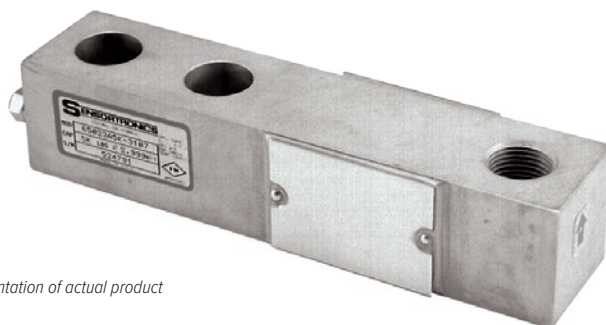
##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

### Approvals



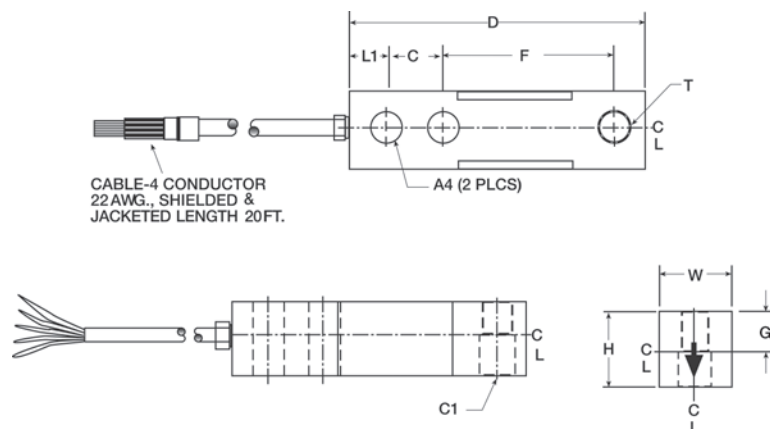
### Order Information

| Load Rating                       | Part #        | Est. Weight | Price    |
|-----------------------------------|---------------|-------------|----------|
| <b>NTEP Certified</b>             |               |             |          |
| 1,000 lb                          | <b>21507</b>  | 3 lb        | \$312.00 |
| 1,500 lb                          | <b>69832</b>  | 3 lb        | \$312.00 |
| 2,000 lb                          | <b>21508</b>  | 3 lb        | \$312.00 |
| 2,500 lb                          | <b>21509</b>  | 3 lb        | \$312.00 |
| 3,000 lb                          | <b>21510</b>  | 3 lb        | \$312.00 |
| 4,000 lb                          | <b>21511</b>  | 3 lb        | \$312.00 |
| 5,000 lb SE                       | <b>102884</b> | 3 lb        | \$312.00 |
| 5,000 lb LE                       | <b>21512</b>  | 5 lb        | \$398.00 |
| 10,000 lb                         | <b>21513</b>  | 5 lb        | \$398.00 |
| <b>Non-NTEP Certified</b>         |               |             |          |
| 250 lb                            | <b>176426</b> | 3 lb        | \$312.00 |
| 500 lb                            | <b>17125</b>  | 3 lb        | \$312.00 |
| 15,000 lb                         | <b>17155</b>  | 9 lb        | \$689.00 |
| 20,000 lb                         | <b>17159</b>  | 10 lb       | \$689.00 |
| <b>NTEP Certified 50 ft Cable</b> |               |             |          |
| 5,000 lb SE                       | <b>196716</b> | 3 lb        | \$360.00 |

SE=small envelope; LE=large envelope

### Dimensions

| Rated Capacity     | T          | L1   | C1   | W    | H    | D    | C    | F    | G    |
|--------------------|------------|------|------|------|------|------|------|------|------|
| lb/in              |            |      |      |      |      |      |      |      |      |
| 250 to 500         | 1/2-20 UNF | 0.62 | 0.53 | 1.25 | 1.00 | 5.12 | 1.00 | 3.00 | 0.50 |
| 1,000 to 5,000 SE  | 1/2-20 UNF | 0.62 | 0.53 | 1.25 | 1.25 | 5.12 | 1.00 | 3.00 | 0.62 |
| 5,000 LE to 10,000 | 3/4-16 UNF | 0.75 | 0.78 | 1.50 | 1.50 | 6.75 | 1.50 | 3.75 | 0.75 |
| 15,000 to 20,000   | 1-14 UNS   | 1.00 | 1.03 | 2.00 | 2.00 | 8.88 | 2.00 | 4.88 | 1.00 |



### Interchangeable Products

VPG® CELTRON

**SQB**..... page 203

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 41

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 52

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

349 to 355 ohm

#### Input Resistance:

343 to 357 ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Nonlinearity:

0.03% full scale

#### Hysteresis:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

250 to 1,500 lb: 0.013 in

1,000 to 5,000 lb: 0.017 to 0.025 in

5,000 LE to 10,000 lb: 0.025 to 0.035 in

15,000 to 20,000 lb: 0.048 to 0.063 in

#### Cable Length:

20 ft

#### Cable Diameter:

0.200 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

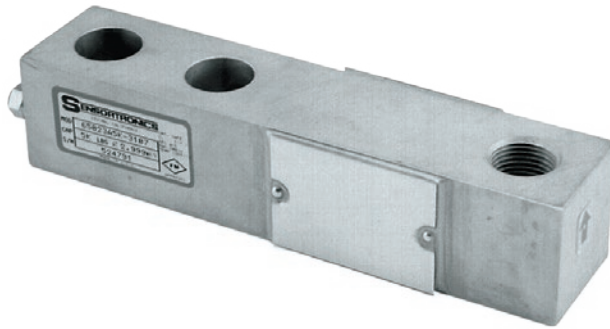
#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP



Picture is a representation of actual product

### Approvals

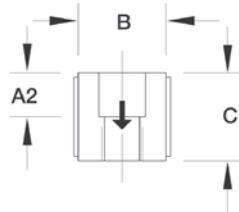
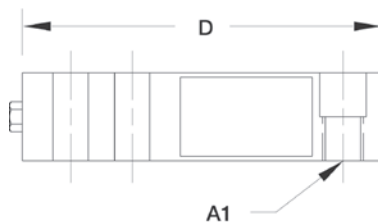
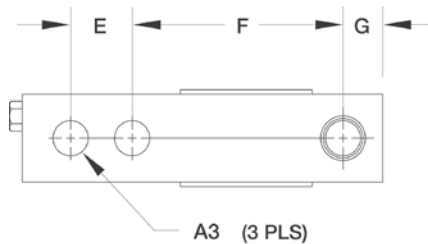


### Order Information

| Load Rating          | Part #       | Est. Weight | Price    |
|----------------------|--------------|-------------|----------|
| <b>Threaded Hole</b> |              |             |          |
| 250 lb               | <b>46499</b> | 3 lb        | \$387.00 |
| 500 lb               | <b>17188</b> | 3 lb        | \$387.00 |
| 15,000 lb            | <b>17156</b> | 9 lb        | \$805.00 |
| 20,000 lb            | <b>17160</b> | 9 lb        | \$805.00 |

### Dimensions

| Rated Capacity   | A1         | A2   | A3   | B    | C    | D    | E    | F    | G    |
|------------------|------------|------|------|------|------|------|------|------|------|
| <b>lb/in</b>     |            |      |      |      |      |      |      |      |      |
| 250 to 500       | 1/2-20 UNF | 0.50 | 0.53 | 1.25 | 1.00 | 5.12 | 1.00 | 3.00 | 0.50 |
| 15,000 to 20,000 | 1-14 UNS   | 1.00 | 1.03 | 2.00 | 2.00 | 8.88 | 2.00 | 4.88 | 1.00 |



### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 41

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 52

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

349 to 355 ohm

#### Input Resistance:

343 to 357 ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Nonlinearity:

0.03% full scale

#### Hysteresis:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

250 to 500 lb: 0.013 in  
15,000 to 20,000 lb: 0.048 to 0.063 in

#### Cable Length:

20 ft

#### Cable Diameter:

0.200 in

Polyurethane jacket

#### Cable Color Code:

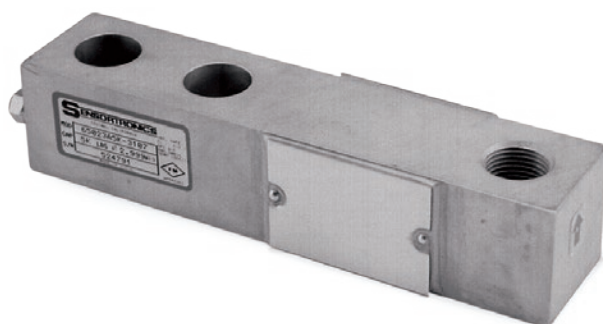
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus



Picture is a representation of actual product

### Approvals



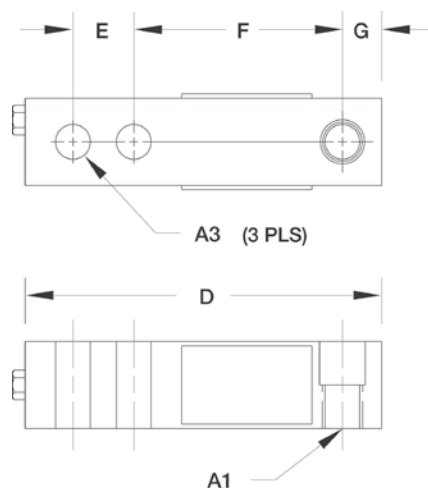
### Order Information

| Load Rating          | Part #        | Est. Weight | Price    |
|----------------------|---------------|-------------|----------|
| <b>Threaded Hole</b> |               |             |          |
| 1,000 lb             | <b>28925</b>  | 3 lb        | \$365.00 |
| 2,000 lb             | <b>28926</b>  | 3 lb        | \$365.00 |
| 2,500 lb             | <b>28927</b>  | 3 lb        | \$365.00 |
| 2,500 lb*            | <b>170030</b> | 3 lb        | \$365.00 |
| 4,000 lb             | <b>28929</b>  | 3 lb        | \$365.00 |
| 5,000 lb             | <b>28930</b>  | 5 lb        | \$455.00 |
| 10,000 lb            | <b>28931</b>  | 5 lb        | \$455.00 |

\*65023S 2,500lb- 5513, low-profile 0.75 inches tall

### Dimensions

| Rated Capacity  | A1         | A2   | A3   | B    | C    | D    | E    | F    | G    |
|-----------------|------------|------|------|------|------|------|------|------|------|
| lb/in           |            |      |      |      |      |      |      |      |      |
| 1,000 to 4,000  | 1/2-20 UNF | 0.62 | 0.53 | 1.00 | 1.25 | 5.12 | 1.00 | 3.00 | 0.50 |
| 5,000 to 10,000 | 3/4-16 UNF | 0.75 | 0.78 | 1.50 | 1.50 | 6.75 | 1.50 | 3.75 | 0.75 |



### Interchangeable Products

VPG® SENSORTRONICS

**65023SS** ..... page 294

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 41

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series** ..... page 52

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

349 to 355 ohm

#### Input Resistance:

343 to 357 ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

500 to 1,000 lb: 0.013 in

1,500 to 4,000 lb: 0.017 to 0.025 in

5,000 to 10,000 lb: 0.025 to 0.035 in

15,000 to 20,000 lb: 0.048 to 0.063 in

#### Cable Length:

20 ft

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

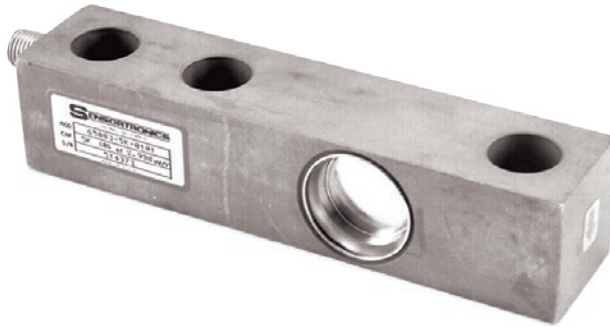
#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP



Picture is a representation of actual product

### Approvals

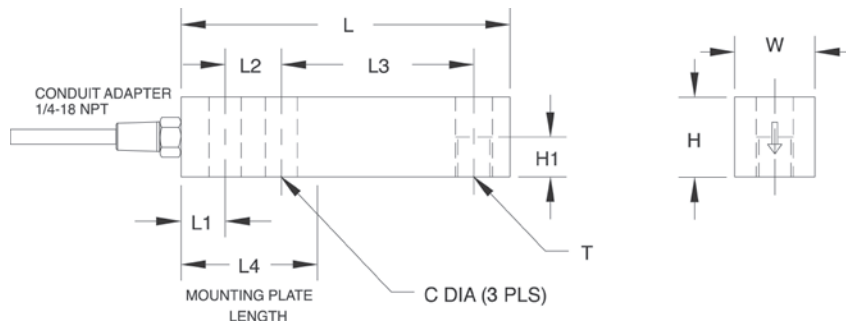


### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1,000 lb    | 17262  | 3 lb        | \$439.00 |
| 2,500 lb    | 17263  | 3 lb        | \$439.00 |
| 4,000 lb    | 17264  | 3 lb        | \$439.00 |
| 5,000 lb    | 17265  | 5 lb        | \$455.00 |
| 10,000 lb   | 17266  | 5 lb        | \$455.00 |

### Dimensions

| Rated Capacity  | C    | H    | H1   | L    | L1   | L2   | L3   | L4   | T          | W    |
|-----------------|------|------|------|------|------|------|------|------|------------|------|
| lb/in           |      |      |      |      |      |      |      |      |            |      |
| 1,000 to 4,000  | 0.53 | 1.22 | 0.61 | 5.12 | 0.62 | 1.00 | 3.00 | 2.25 | 1/2-20 UNF | 1.22 |
| 5,000 to 10,000 | 0.78 | 1.50 | 0.75 | 6.75 | 0.75 | 1.50 | 3.75 | 3.00 | 3/4-16 UNF | 1.50 |



### Interchangeable Products

VPG® CELTRON

SQB-HSS ..... page 204

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA ..... page 41

RICE LAKE WEIGHING SYSTEMS

RL1800 Series ..... page 52

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

349 to 355 ohm

#### Input Resistance:

343 to 357 ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Welded-seal, IP67

(Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry)

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Combined Error:

0.03% full scale

#### Non-Repeatability:

0.01% full scale

#### Insulation Resistance:

5,000 megohm

#### Deflection at Capacity:

1,000 to 4,000 lb: 0.008 to 0.026 in  
5,000 to 10,000 lb: 0.030 to 0.055 in

#### Cable Length:

20 ft

#### Cable Diameter:

0.220 in PTFE jacket

#### Conduit Adapter Size:

1/4-18 NPT

#### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus



Picture is a representation of actual product

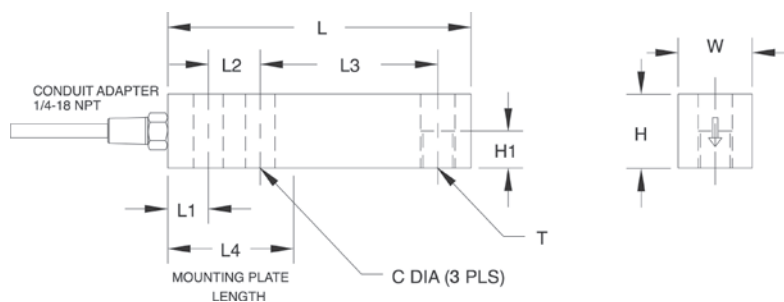
IP69K model

**Approvals****Order Information**

| Load Rating                      | Part # | Est. Weight | Price    |
|----------------------------------|--------|-------------|----------|
| <b>Welded Seal IP67</b>          |        |             |          |
| 1,000 lb                         | 33552  | 3 lb        | \$450.00 |
| 2,500 lb                         | 33553  | 3 lb        | \$450.00 |
| 4,000 lb                         | 33554  | 3 lb        | \$450.00 |
| 5,000 lb                         | 33555  | 5 lb        | \$503.00 |
| 10,000 lb                        | 33556  | 5 lb        | \$503.00 |
| <b>Hermetically Sealed IP69K</b> |        |             |          |
| 1,000 lb                         | 33734  | 3 lb        | \$535.00 |
| 2,500 lb                         | 33735  | 3 lb        | \$535.00 |
| 4,000 lb                         | 33736  | 16 lb       | \$535.00 |

**Dimensions**

| Rated Capacity  | C    | H    | H1   | L    | L1   | L2   | L3   | L4   | T          | W    |
|-----------------|------|------|------|------|------|------|------|------|------------|------|
| lb/in           |      |      |      |      |      |      |      |      |            |      |
| 1,000 to 4,000  | 0.53 | 1.22 | 0.61 | 5.12 | 0.62 | 1.00 | 3.00 | 2.25 | 1/2-20 UNF | 1.22 |
| 5,000 to 10,000 | 0.78 | 1.50 | 0.75 | 6.75 | 0.75 | 1.50 | 3.75 | 3.00 | 3/4-16 UNF | 1.50 |

**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 41

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 52**Specifications****Full Scale Output:**

2.0 mV/V

**Output Resistance:**

349 to 355 ohm

**Input Resistance:**

343 to 357 ohm

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Welded-seal, IP67

Hermetically sealed, IP69K

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5 to 10 V DC (15 V maximum)

**Combined Error:**

0.02% full scale

**Non-Repeatability:**

0.01% full scale

**Insulation Resistance:**

5,000 megohm

**Deflection at Capacity:**

1,000 to 4,000 lb: 0.012 in

5,000 to 10,000 lb: 0.030 in

**Cable Length:**

20 ft

**Cable Diameter:**

0.220 in PTFE jacket

**Conduit Adapter Size:**

IP67: 1/4-18 NPT

IP69K: 1/2-14 NPT

**Cable Color Code:**

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

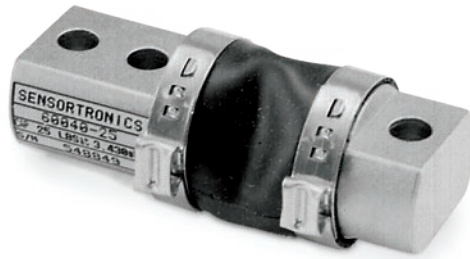
**Warranty:**

One-year limited

**Approvals:**

cFMus

NTEP



Picture is a representation of actual product

#### Approvals

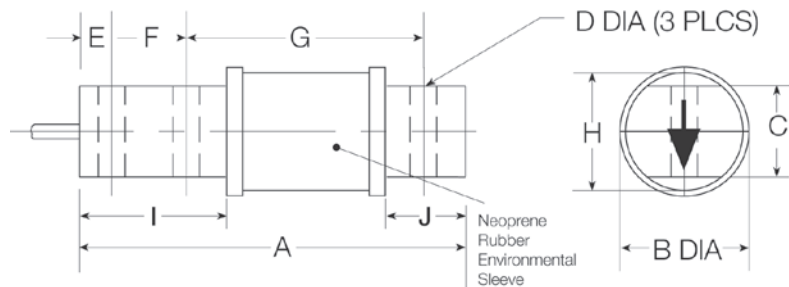


#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 25 lb       | 17369  | 2 lb        | \$260.00 |
| 50 lb       | 17370  | 2 lb        | \$260.00 |
| 75 lb       | 17371  | 2 lb        | \$260.00 |
| 100 lb      | 17372  | 2 lb        | \$260.00 |
| 150 lb      | 17373  | 2 lb        | \$260.00 |
| 250 lb      | 17374  | 2 lb        | \$260.00 |
| 500 lb      | 17375  | 2 lb        | \$260.00 |

#### Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | I    | J    |
|----------------|------|------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |
| 25 to 500      | 2.81 | 1.30 | 0.62 | 0.26 | 0.25 | 0.50 | 1.81 | 1.00 | 1.00 | 0.50 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL50210**.....page 131

VPG® REVERE®

**5503**

ARTECH®

**50210**

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

349 to 355 ohm

##### Input Resistance:

380 to 450 ohm

##### Material/Finish:

High-alloy steel, nickel plated

##### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed with a neoprene sleeve,  
IP65

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 V DC (15 V maximum)

##### Nonlinearity:

0.03% full scale

##### Hysteresis:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

25 to 50 lb: 0.008 in  
75 to 100 lb: 0.010 in  
150 lb: 0.012 in  
250 lb: 0.016 in  
500 lb: 0.025 in

##### Cable Length:

20 ft

##### Cable Diameter:

0.200 in

Polyurethane jacket

##### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

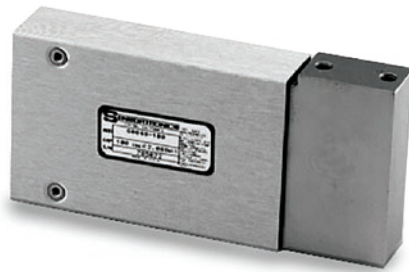
##### Warranty:

One-year limited

##### Approvals:

cFMus





Picture is a representation of actual product

## Approvals



## Order Information

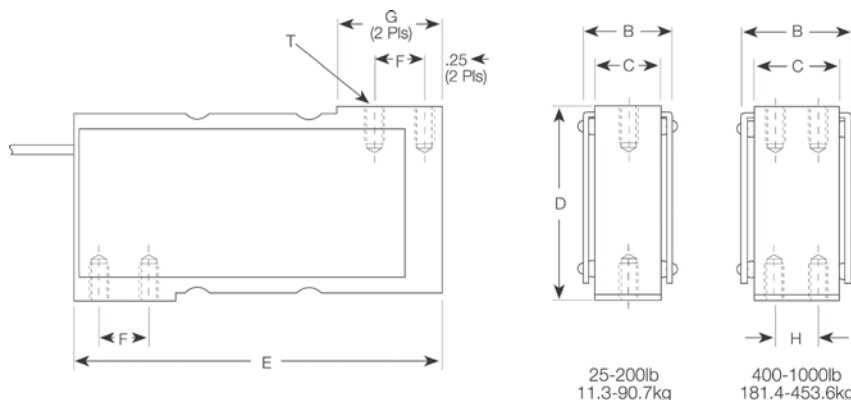
| Load Rating    |                  | Part # | Est. Weight | Price    |
|----------------|------------------|--------|-------------|----------|
| 10 ft Cable    |                  |        |             |          |
| 50 lb          |                  | 17421  | 4 lb        | \$630.00 |
| 100 lb         |                  | 17423  | 4 lb        | \$630.00 |
| 200 lb         |                  | 17425  | 4 lb        | \$630.00 |
| 400 lb         |                  | 17427  | 5 lb        | \$673.00 |
| 500 lb         |                  | 17429  | 5 lb        | \$689.00 |
| 1,000 lb       |                  | 17431  | 6 lb        | \$736.00 |
| 25 ft Cable    |                  |        |             |          |
| 1,000 lb       |                  | 17514  | 7 lb        | \$779.00 |
| Adapters       |                  |        |             |          |
| Adapter kit    | 400 lb to 500 lb | 25562  | —           | \$45.00  |
| Single adapter | 25 lb to 200 lb  | 17683  | —           | \$37.00  |

PN25562 is needed to convert 400 to 500lb capacity cells to these bases

PN17683 is needed to use the VPG Sensortronics 60048 load cell in NCI model 3255 and 3256 bases, 50 to 200lb capacities

## Dimensions

| Rated Capacity | T                     | B    | C    | D    | E    | F    | G    | H    |
|----------------|-----------------------|------|------|------|------|------|------|------|
| lb/in          |                       |      |      |      |      |      |      |      |
| 50 to 200      | 1/4-28 UNF × 0.75 DP  | 1.25 | 1.00 | 3.00 | 6.00 | 1.00 | 1.50 | —    |
| 400 to 500     | 1/4-28 UNF × 0.75 DP  | 1.25 | 1.00 | 3.00 | 6.00 | 1.00 | 1.50 | 0.50 |
| 1,000          | 5/16-24 UNF × 0.75 DP | 1.75 | 1.50 | 3.00 | 6.00 | 1.00 | 1.50 | 1.00 |



## Interchangeable Products

NCI®/WEIGH-TRONIX®  
**Mark V**

## Specifications

### Full Scale Output:

2.0 mV/V nominal

### Output Resistance:

349 to 355 ohm

### Input Resistance:

350 to 450 ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 V DC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Deflection at Capacity:

50 to 100 lb: 0.013 in  
200 lb: 0.015 in  
400 to 500 lb: 0.023 in  
1,000 lb: 0.016 in

### Cable Length:

10 ft  
25 ft

### Cable Diameter:

0.200 in  
Polyurethane jacket

### Cable Color Code:

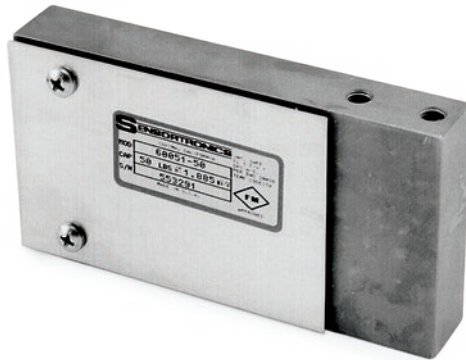
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

One-year limited

### Approvals:

cFMus



Picture is a representation of actual product

### Approvals

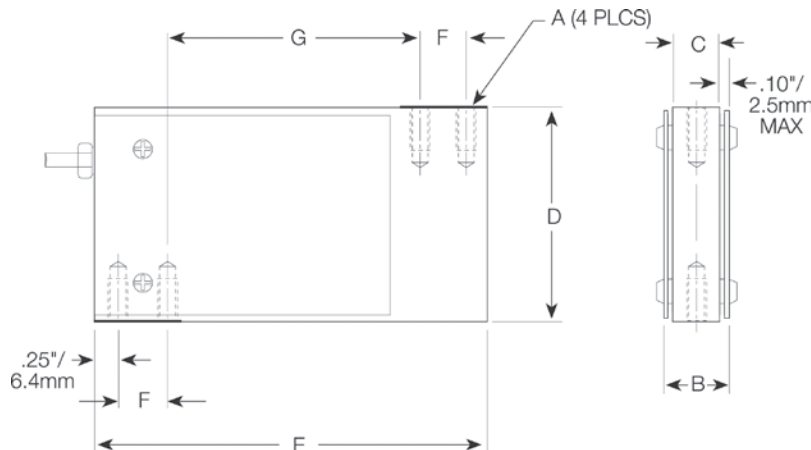


### Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 10 lb       | <b>17432</b> | 2 lb        | \$450.00 |
| 15 lb       | <b>17433</b> | 2 lb        | \$450.00 |
| 25 lb       | <b>17434</b> | 2 lb        | \$450.00 |
| 50 lb       | <b>17435</b> | 3 lb        | \$450.00 |
| 100 lb      | <b>17436</b> | 3 lb        | \$450.00 |
| 200 lb      | <b>17437</b> | 3 lb        | \$450.00 |

### Dimensions

| Rated Capacity | A          | B    | C    | D    | E    | F    | G    |
|----------------|------------|------|------|------|------|------|------|
| lb/in          |            |      |      |      |      |      |      |
| 10 to 25       | 1/4-28 UNF | 0.70 | 0.50 | 2.50 | 4.63 | 0.75 | 2.62 |
| 50 to 200      | 1/4-28 UNF | 0.95 | 0.75 | 2.50 | 4.63 | 0.75 | 2.62 |



### Interchangeable Products

NCI® WEIGHTRONICS

**Mark III**

NCI WEIGHTRONICS

**Mark IX**

### Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**

349 to 355 ohm

**Input Resistance:**

380 to 450 ohm

**Material/Finish:**

Stainless steel

**Temperature:**

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Rated Excitation:**

5 to 10 V DC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohm

**Deflection at Capacity:**

1 to 15 lb: 0.0014 in

25 to 200 lb: 0.0010 in

**Cable Length:**

10 ft

**Cable Diameter:**

0.200 in

Polyurethane jacket

**Cable Color Code:**

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

**Warranty:**

One-year limited

**Approvals:**

cFMus



Picture is a representation of actual product

#### Approvals

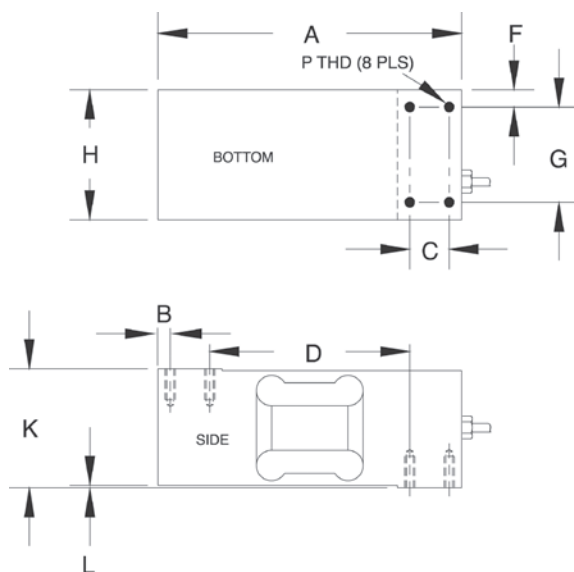


#### Order Information

| Load Rating               | Part #        | Est. Weight | Price    |
|---------------------------|---------------|-------------|----------|
| <b>NTEP Certified</b>     |               |             |          |
| 250 lb                    | <b>17582</b>  | 6 lb        | \$371.00 |
| 300 lb                    | <b>112689</b> | 6 lb        | \$371.00 |
| 500 lb                    | <b>17583</b>  | 6 lb        | \$371.00 |
| 750 lb                    | <b>17584</b>  | 6 lb        | \$371.00 |
| 1,000 lb                  | <b>17585</b>  | 6 lb        | \$371.00 |
| 2,000 lb                  | <b>17586</b>  | 6 lb        | \$371.00 |
| <b>Non-NTEP Certified</b> |               |             |          |
| 100 lb                    | <b>36479</b>  | 6 lb        | \$371.00 |
| 150 lb                    | <b>112688</b> | 6 lb        | \$371.00 |

#### Dimensions

| Rated Capacity | A    | B    | C    | D    | F    | G    | H    | K    | L    | P                     |
|----------------|------|------|------|------|------|------|------|------|------|-----------------------|
| lb/in          |      |      |      |      |      |      |      |      |      |                       |
| 100 to 2,000   | 7.50 | 0.31 | 0.98 | 4.92 | 0.30 | 2.36 | 2.95 | 2.95 | 0.06 | 5/16-18-UNC x 0.75 DP |



#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

349 to 355 ohm

##### Input Resistance:

400 nominal ohm

##### Material/Finish:

Aluminum, clear anodized

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 V DC (15 V maximum)

##### Max. Platform Size:

30 x 30 in

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

100 to 250 lb: 0.010 in

500 to 2,000 lb: 0.006 in

##### Cable Length:

10 ft

##### Cable Diameter:

0.200 in

Polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

### Approvals



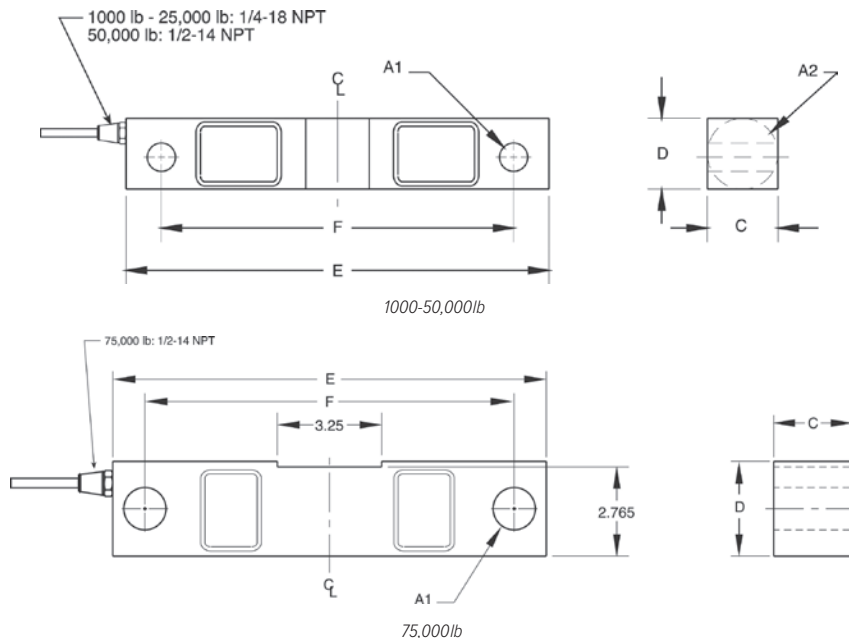
### Order Information

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 1,000 lb    | <b>17268</b> | 4 lb        | \$583.00   |
| 1,500 lb    | <b>17270</b> | 4 lb        | \$583.00   |
| 2,500 lb    | <b>17273</b> | 4 lb        | \$583.00   |
| 5,000 lb    | <b>17275</b> | 4 lb        | \$583.00   |
| 10,000 lb   | <b>17277</b> | 7 lb        | \$662.00   |
| 15,000 lb   | <b>17279</b> | 7 lb        | \$662.00   |
| 20,000 lb   | <b>17281</b> | 7 lb        | \$662.00   |
| 25,000 lb   | <b>17282</b> | 7 lb        | \$662.00   |
| 35,000 lb   | <b>46498</b> | 8 lb        | \$917.00   |
| 50,000 lb   | <b>17284</b> | 27 lb       | \$1,033.00 |
| 75,000 lb*  | <b>25358</b> | 27 lb       | \$1,033.00 |

\*75,000lb capacity has a square center

### Dimensions

| Rated Capacity   | A1   | A2   | C    | D    | E     | F     | CONDUIT ADAPTER |
|------------------|------|------|------|------|-------|-------|-----------------|
| lb/in            |      |      |      |      |       |       |                 |
| 1,000 to 5,000   | 0.50 | 1.25 | 1.25 | 1.25 | 7.50  | 6.25  | 1/4-18 NPT      |
| 10,000 to 25,000 | 0.81 | 1.99 | 1.44 | 1.94 | 8.75  | 7.50  | 1/4-18 NPT      |
| 35,000           | 0.81 | 2.50 | 1.50 | 2.50 | 8.75  | 7.50  | 1/4-18 NPT      |
| 50,000           | 1.31 | 3.00 | 2.44 | 2.94 | 13.50 | 11.50 | 1/2-14 NPT      |
| 75,000           | 1.31 | —    | 2.44 | 2.94 | 13.50 | 11.50 | 1/2-14 NPT      |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75016**..... page 143

VPG® CELTRON

**DSR**..... page 207

VPG® REVERE

**5203**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1600 Series**....page 77 and page 79

### Specifications

#### Full Scale Output:

3.0 mV/V nominal

#### Output Resistance:

699 to 707 ohm

#### Input Resistance:

686 to 714 ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Nonlinearity:

0.03% full scale

#### Hysteresis:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Cable Length:

25 ft

#### Cable Diameter:

1,000 to 25,000 lb: 0.200 in

50,000 to 75,000 lb: 0.301 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

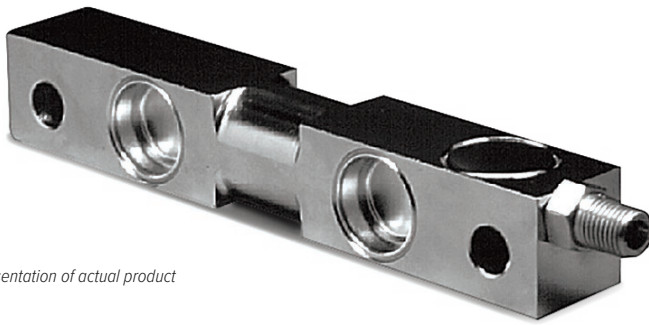
White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus



Picture is a representation of actual product

## Approvals



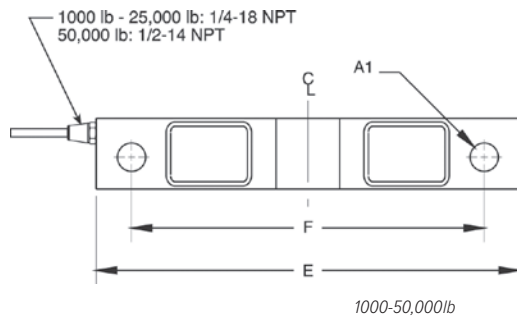
## Order Information

| Load Rating | Part # | Est. Weight | Price      |
|-------------|--------|-------------|------------|
| 1,000 lb    | 36295  | 4 lb        | \$630.00   |
| 1,500 lb    | 36296  | 4 lb        | \$630.00   |
| 2,000 lb    | 36297  | 4 lb        | \$630.00   |
| 2,500 lb    | 36298  | 4 lb        | \$630.00   |
| 5,000 lb    | 36299  | 4 lb        | \$630.00   |
| 10,000 lb   | 36300  | 7 lb        | \$715.00   |
| 15,000 lb   | 36301  | 7 lb        | \$715.00   |
| 20,000 lb   | 36302  | 7 lb        | \$715.00   |
| 25,000 lb   | 36303  | 7 lb        | \$715.00   |
| 50,000 lb   | 36304  | 27 lb       | \$1,479.00 |
| 75,000 lb*  | 36305  | 27 lb       | \$1,479.00 |

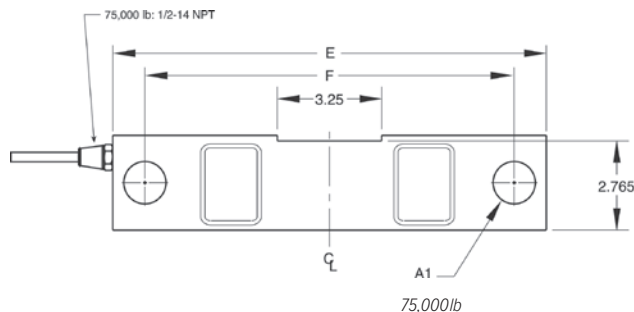
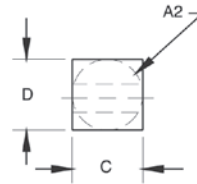
\*75,000lb capacity has a square center

## Dimensions

| Rated Capacity   | E    | G    | A1   | A2   | B     | C     | CONDUIT ADAPTER | F    |
|------------------|------|------|------|------|-------|-------|-----------------|------|
| lb/in            |      |      |      |      |       |       |                 |      |
| 1,000 to 5,000   | 0.50 | 1.25 | 1.25 | 1.25 | 7.50  | 6.25  | 1/4-18 NPT      | 1.12 |
| 10,000 to 25,000 | 0.81 | 1.99 | 1.44 | 1.94 | 8.75  | 7.50  | 1/4-18 NPT      | 1.62 |
| 50,000           | 1.31 | 3.00 | 2.44 | 2.94 | 13.50 | 11.50 | 1/2-14 NPT      | 3.75 |
| 75,000           | 1.31 | —    | 2.44 | 2.94 | 13.50 | 11.50 | 1/2-14 NPT      | 3.75 |



1000-50,000lb



75,000lb

## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75016WHE**..... page 147

VP® SENSORTRONICS

**65016WH**..... page 304

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1600 Series**.....page 77 and page 79

## Specifications

### Full Scale Output:

3.0 mV/V nominal

### Output Resistance:

699 to 707 ohm

### Input Resistance:

686 to 714 ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Welded-seal, IP67

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5 to 10 V DC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

25 ft

### Cable Diameter:

1,000 to 25,000 lb: 0.200 in  
50,000 to 75,000 lb: 0.305 in  
Polyurethane jacket

### Cable Color Code:

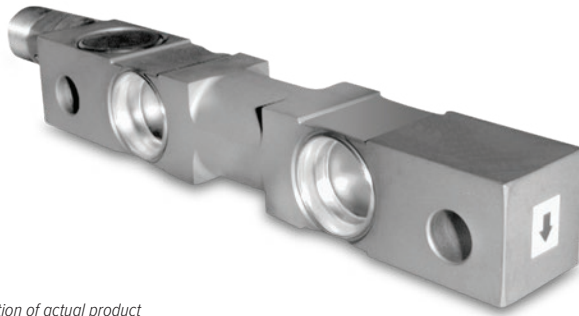
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

One-year limited

### Approvals:

cFMus



Picture is a representation of actual product

### Approvals

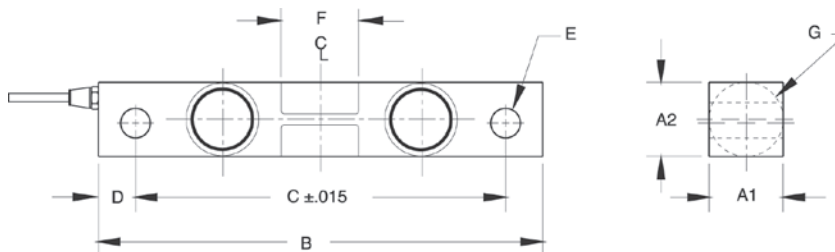


### Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 1,000 lb    | <b>65827</b> | 4 lb        | \$736.00 |
| 1,500 lb    | <b>65828</b> | 4 lb        | \$736.00 |
| 2,000 lb    | <b>65829</b> | 4 lb        | \$736.00 |
| 2,500 lb    | <b>65830</b> | 4 lb        | \$736.00 |
| 5,000 lb    | <b>65831</b> | 4 lb        | \$736.00 |
| 10,000 lb   | <b>65832</b> | 7 lb        | \$843.00 |
| 15,000 lb   | <b>65833</b> | 7 lb        | \$843.00 |
| 20,000 lb   | <b>65834</b> | 7 lb        | \$843.00 |
| 25,000 lb   | <b>65835</b> | 7 lb        | \$843.00 |

### Dimensions

| Rated Capacity   | A1   | A2   | B    | C    | D    | E    | F    | G    | CONDUIT ADAPTER |
|------------------|------|------|------|------|------|------|------|------|-----------------|
| lb/in            |      |      |      |      |      |      |      |      |                 |
| 1,000 to 5,000   | 1.22 | 1.22 | 7.50 | 6.25 | 0.62 | 0.50 | 1.12 | 1.25 | 1/2-14 NPT      |
| 10,000 to 25,000 | 1.44 | 1.94 | 8.75 | 7.50 | 0.62 | 0.81 | 1.62 | 1.99 | 1/2-14 NPT      |



### Interchangeable Products

|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| <b>RL75016WHE</b> .....    | page 147 |
| RICE LAKE WEIGHING SYSTEMS |          |
| <b>RL75016SS*</b> .....    | page 145 |
| VPG® SENSORTRONICS         |          |
| <b>65016W*</b> .....       | page 303 |

### Weigh Module Available

|                            |                     |
|----------------------------|---------------------|
| RICE LAKE WEIGHING SYSTEMS |                     |
| <b>RL1600 Series</b> ..... | page 77 and page 79 |

\*Welded-seal

### Specifications

#### Full Scale Output:

3.0 mV/V nominal

#### Output Resistance:

699 to 707 ohm

#### Input Resistance:

686 to 714 ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Hermetically sealed, IP68

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Nonlinearity:

0.03% full scale

#### Hysteresis:

0.02% full scale

#### Insulation Resistance:

5,000 megohm

#### Cable Length:

25 ft

#### Cable Diameter:

0.200 in  
Polyurethane jacket

#### Cable Color Code:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus



Picture is a representation of actual product

### Approvals



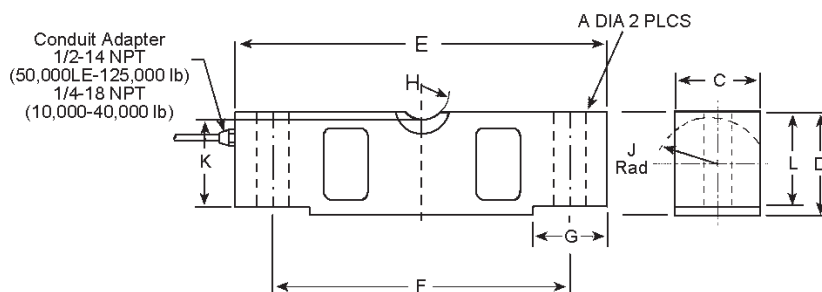
### Order Information

| Load Rating               | Part #       | Est. Weight | Price      |
|---------------------------|--------------|-------------|------------|
| <b>NTEP Certified</b>     |              |             |            |
| 20,000 lb                 | <b>21592</b> | 7 lb        | \$673.00   |
| 25,000 lb                 | <b>21593</b> | 7 lb        | \$673.00   |
| 40,000 lb                 | <b>21608</b> | 13 lb       | \$805.00   |
| 50,000 lb SE              | <b>26081</b> | 13 lb       | \$895.00   |
| 50,000 lb LE              | <b>21594</b> | 21 lb       | \$895.00   |
| 60,000 lb                 | <b>21595</b> | 21 lb       | \$895.00   |
| 75,000 lb                 | <b>21596</b> | 21 lb       | \$895.00   |
| 100,000 lb                | <b>21609</b> | 40 lb       | \$1,669.00 |
| 125,000 lb                | <b>21610</b> | 40 lb       | \$1,669.00 |
| <b>Non-NTEP Certified</b> |              |             |            |
| 10,000 lb                 | <b>17287</b> | 7 lb        | \$652.00   |
| <b>60 ft cable</b>        |              |             |            |
| 75,000 lb                 | <b>39459</b> | 26 lb       | \$911.00   |

SE=small envelope; LE=large envelope

### Dimensions

| Rated Capacity      | A    | C    | D    | E     | F     | G    | H    | J    | K    | L    |
|---------------------|------|------|------|-------|-------|------|------|------|------|------|
| lb/in               |      |      |      |       |       |      |      |      |      |      |
| 10,000 to 25,000    | 0.68 | 1.69 | 1.94 | 7.75  | 6.50  | 1.38 | 0.75 | 0.90 | 1.63 | 1.70 |
| 40,000 to 50,000 SE | 0.81 | 1.94 | 2.44 | 10.25 | 8.50  | 1.93 | 1.00 | 1.12 | 2.00 | 2.10 |
| 50,000 LE to 75,000 | 1.06 | 2.44 | 2.94 | 10.25 | 8.50  | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 |
| 100,000 to 125,000  | 1.62 | 2.90 | 3.86 | 15.25 | 12.75 | 3.13 | 1.50 | 1.80 | 3.30 | 3.43 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75058-LP** ..... page 148

VPG® CELTRON

**CLB** ..... page 208

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL2100 HE** ..... page 36

RICE LAKE WEIGHING SYSTEMS

**MVS** ..... page 84

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

699 to 707 ohm

#### Input Resistance:

686 to 714 ohms

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

1,000 megohm

#### Cable Length:

35 ft

#### Cable Diameter:

10,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

polyurethane jacket

#### Cable Coloring:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP





Picture is a representation of actual product

### Approvals

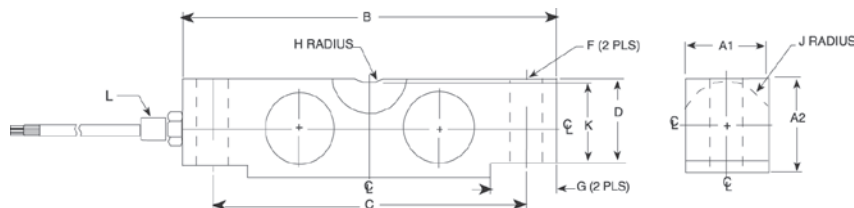


### Order Information

| Load Rating        | Part #       | Est. Weight | Price      |
|--------------------|--------------|-------------|------------|
| <b>35 ft Cable</b> |              |             |            |
| 20,000 lb          | <b>45475</b> | 7 lb        | \$927.00   |
| 25,000 lb          | <b>45476</b> | 7 lb        | \$927.00   |
| 40,000 lb          | <b>45477</b> | 11 lb       | \$1,160.00 |
| 50,000 lb          | <b>45478</b> | 14 lb       | \$1,160.00 |
| 60,000 lb          | <b>45479</b> | 20 lb       | \$1,160.00 |
| 75,000 lb          | <b>45480</b> | 20 lb       | \$1,160.00 |
| 100,000 lb         | <b>45481</b> | 40 lb       | \$2,433.00 |
| 125,000 lb         | <b>45482</b> | 40 lb       | \$2,963.00 |
| <b>60 ft Cable</b> |              |             |            |
| 75,000 lb          | <b>48698</b> | 20 lb       | \$1,300.00 |

### Dimensions

| Rated Capacity   | A1   | A2   | B     | C     | D    | F    | G    | H    | J    | K    | L          |
|------------------|------|------|-------|-------|------|------|------|------|------|------|------------|
| lb/in            |      |      |       |       |      |      |      |      |      |      |            |
| 20,000 to 25,000 | 1.69 | 1.94 | 7.75  | 6.50  | 1.70 | 0.68 | 1.38 | 0.75 | 0.90 | 1.63 | 1/4-18 NPT |
| 40,000           | 1.94 | 2.44 | 10.25 | 8.50  | 2.10 | 0.81 | 1.93 | 1.00 | 1.12 | 2.00 | 1/4-18 NPT |
| 50,000 to 75,000 | 2.44 | 2.94 | 10.25 | 8.50  | 2.65 | 1.06 | 1.93 | 1.00 | 1.37 | 2.54 | 1/2-14 NPT |
| 100,000          | 2.44 | 3.44 | 10.25 | 8.50  | 2.65 | 1.06 | 1.93 | 1.00 | 1.37 | 2.54 | 1/2-14 NPT |
| 125,000          | 2.90 | 3.86 | 15.25 | 12.75 | 3.43 | 1.62 | 3.13 | 1.50 | 1.80 | 3.30 | 1/2-14 NPT |



### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL2100 HE**..... page 36

RICE LAKE WEIGHING SYSTEMS

**MVS**..... page 84

### Specifications

#### Full Scale Output:

3.0 mV/V

#### Output Resistance:

699 to 707 ohm

#### Input Resistance:

686 to 714 ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Welded-seal, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Nonlinearity:

0.03% full scale

#### Hysteresis:

0.02% full scale

#### Insulation Resistance:

1,000 megohm

#### Cable Length:

35 ft

60 ft

#### Cable Diameter:

20,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

Polyurethane jacket

#### Cable Coloring:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

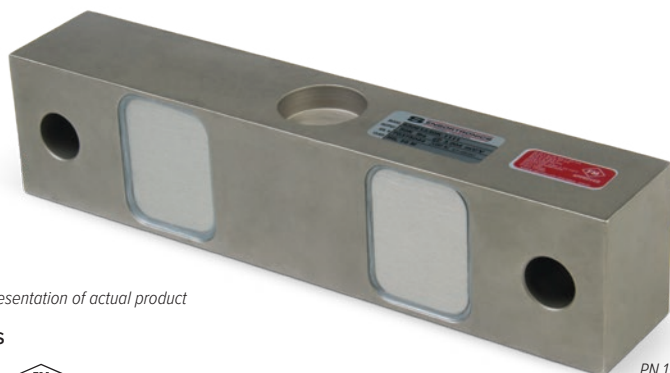
#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP



Picture is a representation of actual product

PN 154800 shown

## Approvals



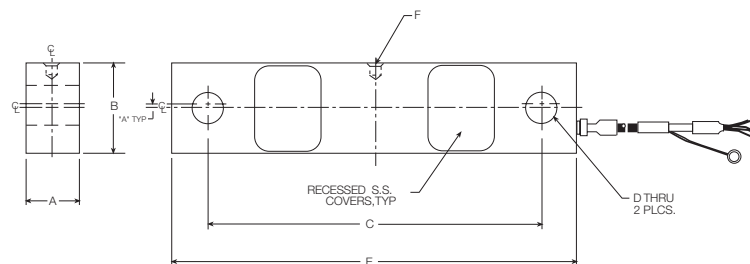
## Order Information

| Load Rating                           | Part #        | Est. Weight | Price      |
|---------------------------------------|---------------|-------------|------------|
| <b>Alloy Steel</b>                    |               |             |            |
| 40,000 lb                             | <b>47850</b>  | 18 lb       | \$1,267.00 |
| 50,000 lb                             | <b>47851</b>  | 18 lb       | \$1,267.00 |
| <b>Stainless Steel</b>                |               |             |            |
| 50,000 lb (welded-seal)               | <b>67387</b>  | 18 lb       | \$1,410.00 |
| 50,000 lb* (environmentally sealed)   | <b>154800</b> | 18 lb       | \$1,267.00 |
| <b>Mounting Assembly Accessories*</b> |               |             |            |
| Load Button                           | <b>25524</b>  | 1 lb        | \$51.00    |
| Load Pin                              | <b>50807</b>  | 1 lb        | \$98.00    |
| Bearing Screw                         | <b>44837</b>  | 1 lb        | \$130.00   |
| Bushing                               | <b>50748</b>  | 1 lb        | \$40.00    |
| Load Cell Stand                       | <b>50767</b>  | 1 lb        | \$327.00   |
| Support Pin                           | <b>50747</b>  | 1 lb        | \$35.00    |
| Washer                                | <b>15180</b>  | 1 lb        | \$2.30     |
| Cotter Pin                            | <b>15244</b>  | 1 lb        | \$1.50     |
| Load Button (use with 154800)*        | <b>154802</b> | 1 lb        | \$37.00    |

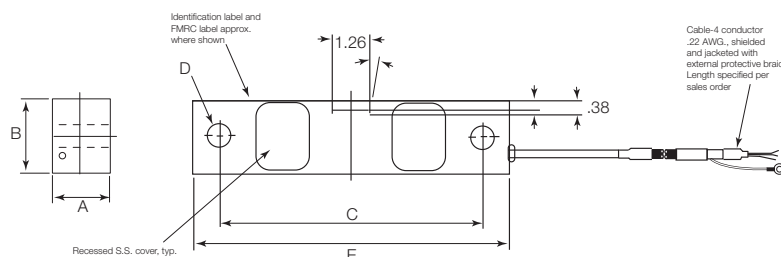
\*Counterbored hole for load button

## Dimensions

| Rated Capacity | A    | B    | C    | D    | E     | F                |
|----------------|------|------|------|------|-------|------------------|
| lb/in          |      |      |      |      |       |                  |
| 40,000         | 1.94 | 2.44 | 8.75 | 0.78 | 10.50 | 0.257 × 0.375 DP |
| 50,000         | 1.94 | 2.44 | 8.75 | 0.78 | 10.50 | 0.257 × 0.375 DP |



PN 47850, 47851, 67387



PN 154800

## Interchangeable Products

FAIRBANKS®

**Rodan 90814-40 k**

FAIRBANKS

**Rodan 91088-50 k**

## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

699 to 707 ohms

### Input Resistance:

686 to 714 ohm

### Material/Finish:

High-alloy steel, nickel plated  
Stainless steel

### Temperature:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP67  
Welded-seal, IP67: pn 67387

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5 to 10 V DC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohm

### Cable Length:

60 ft, copper over braid

### Cable Diameter:

0.230 in  
Polyurethane jacket

### Cable Coloring:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

One-year limited

### Approvals:

cFMus  
NTEP



Picture is a representation of actual product

### Approvals



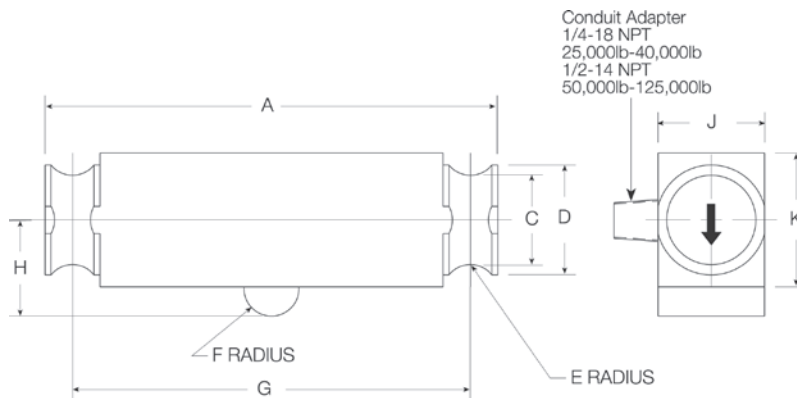
### Order Information

| Load Rating           | Part #       | Est. Weight | Price      |
|-----------------------|--------------|-------------|------------|
| <b>NTEP Certified</b> |              |             |            |
| 25,000 lb             | <b>21598</b> | 11 lb       | \$673.00   |
| 40,000 lb             | <b>21599</b> | 11 lb       | \$805.00   |
| 50,000 lb SE          | <b>69562</b> | 11 lb       | \$805.00   |
| 50,000 lb             | <b>21600</b> | 19 lb       | \$885.00   |
| 60,000 lb             | <b>21601</b> | 19 lb       | \$885.00   |
| 75,000 lb             | <b>21602</b> | 19 lb       | \$885.00   |
| 100,000 lb            | <b>21603</b> | 40 lb       | \$1,670.00 |
| 125,000 lb            | <b>21604</b> | 40 lb       | \$1,670.00 |

SE=small envelope

### Dimensions

| Rated Capacity      | A     | C    | D    | E    | F    | G     | H    | J    | K    |
|---------------------|-------|------|------|------|------|-------|------|------|------|
| <b>lb/in</b>        |       |      |      |      |      |       |      |      |      |
| 25,000 to 50,000 SE | 8.25  | 1.63 | 2.00 | 0.50 | 0.50 | 7.25  | 1.75 | 1.94 | 2.44 |
| 50,000 to 75,000    | 11.50 | 1.70 | 2.20 | 0.75 | 1.00 | 10.00 | 2.00 | 1.94 | 2.94 |
| 100,000 to 125,000  | 14.50 | 2.44 | 3.20 | 1.00 | 1.50 | 12.50 | 2.75 | 2.90 | 3.86 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75040** ..... page 155

THURMAN®

**TSC 840**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink™** ..... page 85

### Specifications

#### Full Scale Output:

3.0mV/V

#### Output Resistance:

686 to 714 ohm

#### Input Resistance:

699 to 707 ohm

#### Material/Finish:

High-alloy steel, nickel plated

#### Temperature:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% full scale

#### Safe Sideload:

100% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

1,000 megohm

#### Cable Length:

35 ft

#### Cable Diameter:

25,000 lb: 0.200 in  
50,000 to 125,000 lb: 0.305 in  
Polyurethane jacket

#### Cable Coloring:

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus  
NTEP



Picture is a representation of actual product

#### Approvals

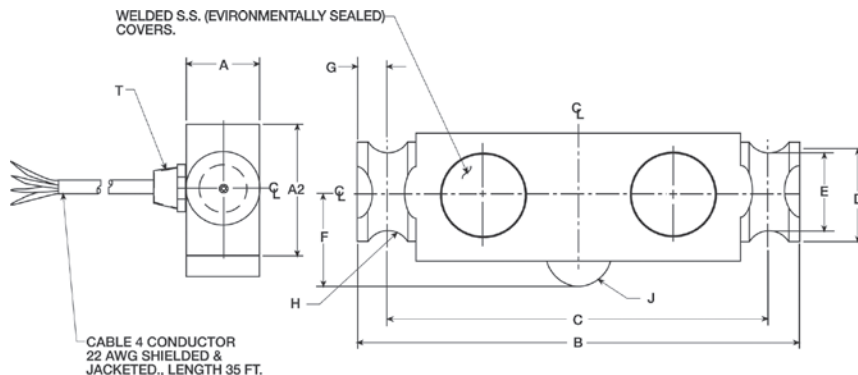


#### Order Information

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 25,000 lb   | <b>45467</b> | 15 lb       | \$810.00   |
| 40,000 lb   | <b>45468</b> | 15 lb       | \$970.00   |
| 50,000 lb   | <b>45469</b> | 25 lb       | \$1,055.00 |
| 60,000 lb   | <b>45470</b> | 25 lb       | \$1,055.00 |
| 75,000 lb   | <b>45471</b> | 25 lb       | \$1,055.00 |

#### Dimensions

| Rated Capacity   | A    | A2   | B     | C     | D    | E    | F    | G    | H    | J    | T          |
|------------------|------|------|-------|-------|------|------|------|------|------|------|------------|
| lb/in            |      |      |       |       |      |      |      |      |      |      |            |
| 25,000 to 40,000 | 1.94 | 2.44 | 8.25  | 7.25  | 2.00 | 1.63 | 1.75 | 0.50 | 0.50 | 0.50 | 1/4-18 NPT |
| 50,000 to 75,000 | 1.94 | 2.94 | 11.50 | 10.00 | 2.20 | 1.70 | 2.00 | 0.75 | 0.75 | 1.00 | 1/4-18 NPT |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75040** ..... page 155

VPG® SENSORTRONICS

**65040A** ..... page 308

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

699 to 707 ohm

##### Input Resistance:

686 to 714 ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Welded-seal, IP68

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 V DC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

35 ft

##### Cable Diameter:

25,000 lb: 0.200 in

40,000 to 75,000 lb: 0.301 in

Polyurethane jacket

##### Cable Coloring:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

#### Approvals

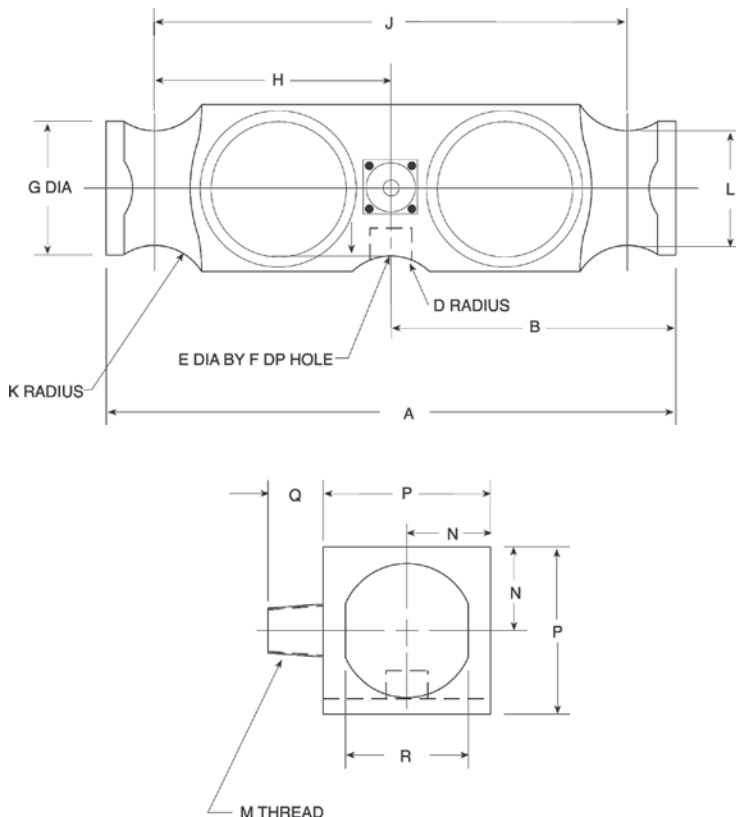


#### Order Information

| Load Rating | Part#        | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 50,000 lb   | <b>66080</b> | 18 lb       | \$1,055.00 |
| 65,000 lb   | <b>87162</b> | 20 lb       | \$1,055.00 |
| 100,000 lb  | <b>87163</b> | 20 lb       | \$1,405.00 |

#### Dimensions

| Rated Capacity   | A     | B    | D    | E    | F    | G    | H    | J    | K    | L    | M          | N    | P    | Q    | R    |
|------------------|-------|------|------|------|------|------|------|------|------|------|------------|------|------|------|------|
| lb/in            |       |      |      |      |      |      |      |      |      |      |            |      |      |      |      |
| 50,000 to 65,000 | 10.25 | 5.12 | 1.00 | 0.75 | 0.78 | 2.40 | 4.25 | 8.50 | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |
| 100,000          | 10.25 | 5.12 | 1.00 | —    | —    | 2.40 | 4.25 | 8.50 | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL75223** ..... page 153

VPG® REVERE

**5223** ..... page 269

ARTECH®

**80210**

THURMAN®

**TSC 800**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink™** ..... page 85

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

686 to 714 ohm

##### Input Resistance:

699 to 707 ohm

##### Material/Finish:

High-alloy steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Welded-seal, IP67

(Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry)

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 V DC (15 V maximum)

##### Non-repeatability:

0.01% full scale

##### Combined Error:

0.03% full scale

##### Insulation Resistance:

1,000 megohm

##### Deflection at Capacity:

50,000 lb: 0.018 in

65,000 lb: 0.022 in

100,000 lb: 0.034 in

##### Cable Length:

40 ft

##### Cable Diameter:

0.305 in polyurethane jacket

##### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

### Approvals



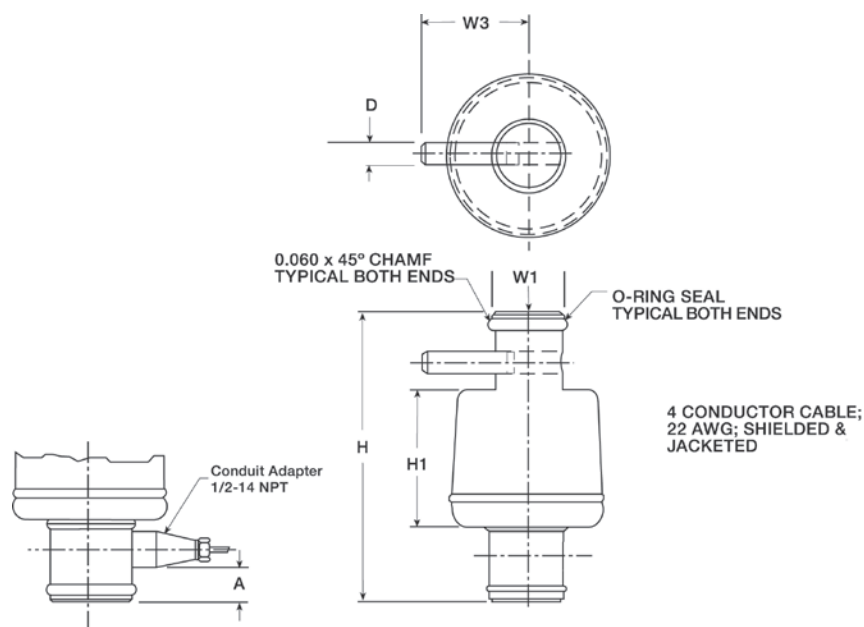
### Order Information

| Load Rating                      | Part # | Est. Weight | Price    |
|----------------------------------|--------|-------------|----------|
| 50,000 lb                        | 46497  | 5 lb        | \$842.00 |
| 50,000 lb LE                     | 47952  | 6 lb        | \$842.00 |
| <b>Options</b>                   |        |             |          |
| Replacement anti-rotational pins | 116181 | 1 lb        | \$5.00   |
| Replacement O-ring               | 92988  | 1 lb        | \$1.00   |

LE=large envelope

### Dimensions

| Rated Capacity | A    | D    | H    | H1   | H2   | W1   | W2   | W3   |
|----------------|------|------|------|------|------|------|------|------|
| lb/in          |      |      |      |      |      |      |      |      |
| 50,000         | 0.62 | 0.38 | 6.00 | 2.82 | 1.59 | 1.46 | 1.46 | 2.50 |
| 50,000 LE      | 0.62 | 0.38 | 7.56 | 2.82 | 1.59 | 1.46 | 1.46 | 2.50 |



### Interchangeable Products

FAIRBANKS®  
63951

### Specifications

#### Full Scale Output:

2.0 mV/V nominal

#### Output Resistance:

1,000 (±10 ohm)

#### Input Resistance:

1,000 ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Hermetically sealed, IP68

#### Safe Overload:

150% full scale

#### Rated Excitation:

5 to 10 V DC (15 V maximum)

#### Combined Error:

0.03% full scale

#### Insulation Resistance:

1,000 megohm

#### Cable Length:

35 ft

#### Cable Diameter:

0.305 in

Polyurethane jacket

#### Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

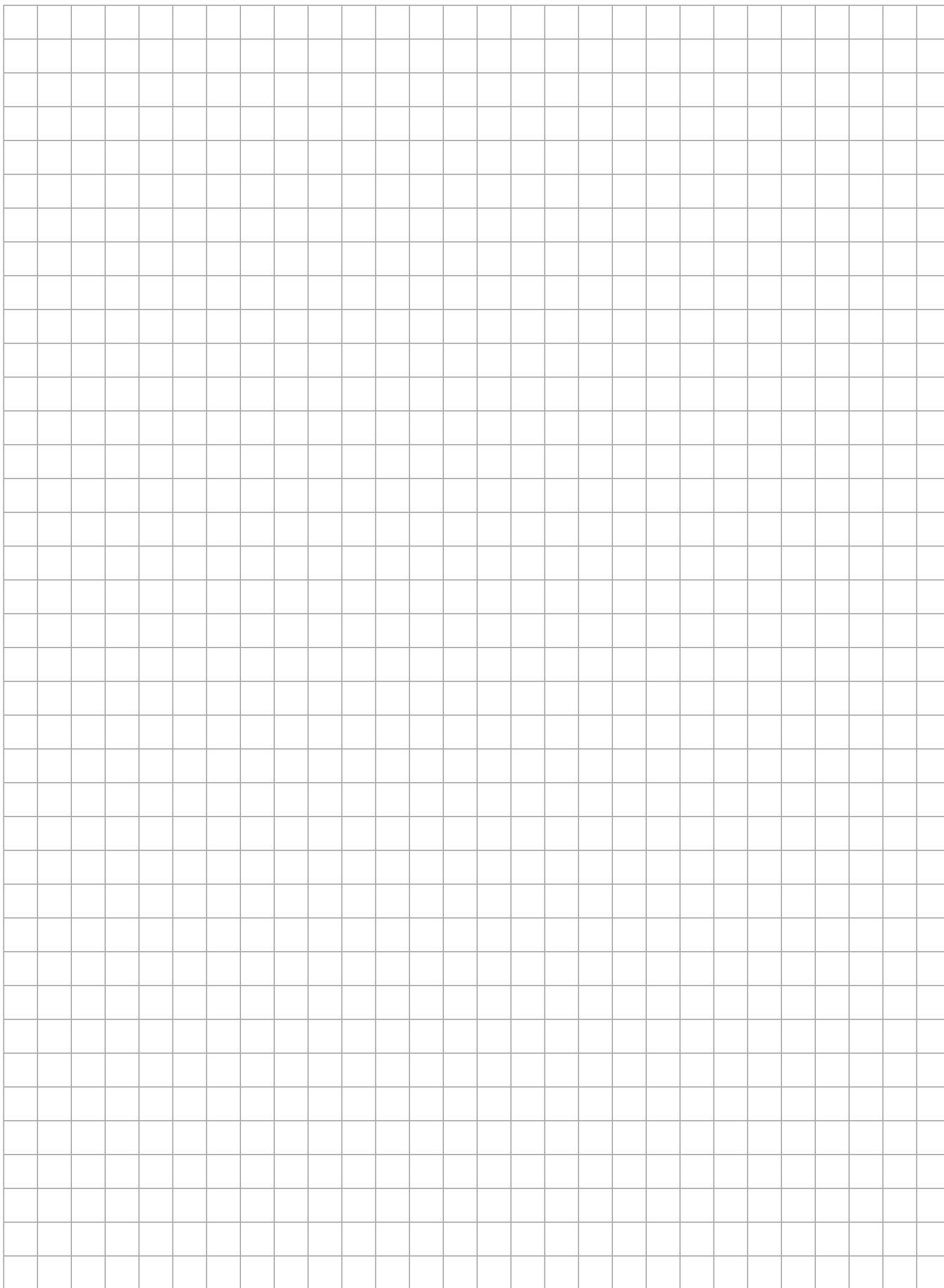
#### Warranty:

Two-year limited

#### Approvals:

cFMus

NTEP





### S-BEAMS

Page 317

#### 620, STAINLESS STEEL



Ideally suited for harsh environments, lever conversions, hopper/tanks, vibratory feeders, general purpose weighing and force measurement applications. The stainless steel, welded cavity design provides protection against water and corrosive materials. Capacities range from 500 to 2,000 kg. Complete with 5 m of load cell cable.



### SINGLE-ENDED

Page 318

#### 3411/3421, ALLOY STEEL AND STAINLESS STEEL



Single-ended beam available in both alloy and stainless steel with NTEP Certification. These products are ideal for low-profile platforms, pallet truck weighers, tanks and silos. Provides stability for more severe weighing applications. Both versions are available in capacities ranging from 1,000 lb to 10,000 lb. A standard 10 ft of load cell cable is provided.



Page 319

#### 3510-NTEP, STAINLESS STEEL



Low profile and all-welded sealing combined with high accuracy makes the 3510 ideally suited for low-profile platforms, weigh modules, tanks and silos. Hermetic sealing and polyurethane shielded cable enable this load cell to function in harsh environments while maintaining its operating specifications. Capacities range from 1,000 to 4,000 lb.



Page 320

#### 3510-OIML, STAINLESS STEEL



OIML approved, 6,000 division single-ended beam. Low profile and all-welded sealing combined with high accuracy makes this model suited for low-profile platforms, weigh modules, tanks and silos. Polyurethane shielded cable enable function in harsh environments while maintaining its operating specifications. Capacities range from 500 kg to 5,000 kg.



Page 321

#### 355, STAINLESS STEEL



Welded stainless steel construction, welded sealing and polyurethane shielded cable enables function in harsh environments while maintaining its operating specifications. Suitable for low-profile platforms, weighing and packing machines, electromechanical conversions and general-purpose weighing applications. Capacities range from 5 kg to 500 kg.



### SINGLE POINT

Page 322

#### 1022, ALUMINUM



Very low profile, single-point load cell designed for direct mounting in low-cost platforms. Anodized aluminum construction is combined with two-beam machined technology to provide an affordable load cell option. Capacities range from 3 to 35 kg. Complete with 1.5 ft or 10 ft of load cell cable.



Page 323

#### 1010/1015, ALUMINUM



Off-center loading load cell designed for direct mounting of a weighing platform and simplified construction of platform scales. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. The model 1015 has a balanced bridge for applications where multiple cells are used. Capacities range from 3 to 90 kg.



# VPG Tedea-Huntleigh

## SINGLE POINTS

Page 324

### 1030, ALUMINUM



This very low -profile, three-beam single -point load cell is insensitive to off-center loads, providing accurate results. Coated with a unique humidity-resistant protective coating to assure long-term stability in harsh environments and extreme temperatures. This model is available in capacities ranging from 3 kg to 15 kg, and comes standard with 1 m of load cell cable.



Page 325

### 1042, ALUMINUM



A lower profile single point load cell for platform weighing. This model is constructed of aluminum and is a two-beam design. This design offers high immunity to side forces and is specially coated to provide humidity resistance. Capacities range from 1 to 100 kg. Complete with 10 ft of load cell cable.



Page 326

### 1040, ALUMINUM



Low-profile, off-center loading load cell. Designed for direct mounting of weighing platforms, hanging scales and other low capacity beam applications. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Capacities range from 5 to 100 kg.



Page 327

### 1130, STAINLESS STEEL



Stainless steel, single-point load cell designed for high performance in harsh environments. This product is primarily designed for platform weighing but is cost-effective to make it an appropriate selection for numerous applications. Capacities range from 7.5 kg to 100 kg and is provided complete with 1.5 m, 3 m or 25 ft of load cell cable.



Page 328

### 1140, STAINLESS STEEL



Low-profile, off-center loading load cell designed for direct mounting of weighing platforms, hanging scales and other low capacity beam applications. Stainless steel construction and a unique humidity-resistant protective coating provide long-term stability, even in harsh environments. Load cells with potted cavities are available for improved performance in damp environments. Capacities range from 15 to 150 kg.



Page 329

### 1240, STAINLESS STEEL



Compact in design, this low-profile single point load cell has 200 kg to 250 kg capacity range. Ideally suited for light-industrial or people-weighing applications where overall deck height is a concern. The three-beam design makes the load cell less likely to be impacted by side forces and mounting imperfections. It features stainless steel construction and humidity-resistant coating for use in harsh environments with extreme temperatures. Each unit is provided with a standard 10 ft cable.



## SINGLE POINTS

Page 330

### 1142, STAINLESS STEEL



The perfect selection for new or retrofit scales with compact size, high accuracy and low cost. Stainless steel construction with a humidity-resistant protective coating helps ensure stable operation in damp environments. NTEP Certified and available with OIML approval. It comes with 10 ft of standard load cell cable. Capacities range from 10 kg to 150 kg.



Page 331

### 1260, ALUMINUM



High capacity, off-center loading aluminum single-point load cell. This model is of the two-beam design, and is specially coated to assure durability in harsh environments. Capacities range from 50 to 635 kg. Complete with 10 ft of load cell cable.



Page 332

### 1260S, ALUMINUM



This single-point, off-center loading, aluminum load cell is designed for high-capacity applications and harsh environments. NTEP Certified to 10,000 divisions. Capacities range from 75 to 635 kg. Complete with 10 ft of load cell cable.



Page 333

### 1263, ALUMINUM

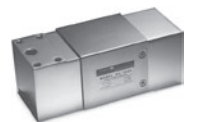


Features rugged construction and offers high immunity to side loads, making it suitable for a wide array of applications like bench scales and process weighing. Its special humidity resistant protective coating helps assure long-term stability over the entire compensated range. Constructed of high quality aluminum and comes standard with 1.5 meters of load cell cable. Available in capacities from 50 kg to 635 kg and is OIML approved.



Page 334

### 1250, ALUMINUM



High capacity, off-center loading load cell accurately weighs loads from 50 to 1,000 kg. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments.



Page 335

### 1320, ALUMINUM



Single-point load cell featuring individual adjustment to eliminate corner errors and direct mounting of low-profile platforms to simplify the construction of floor scales, weigh bars, hanging scales and other types of weighing devices. High capacity range from 1,000 kg to 2,000 kg.



# VPg Tedea-Huntleigh

Page 336

## 1510, STAINLESS STEEL



A stainless steel, welded-seal cell ideally suited for washdown applications. Capacities range from 100 kg to 500 kg.



Page 337

## 240, ALLOY STEEL/STAINLESS STEEL, FLUID DAMPED



Designed to decrease weighing time and improve weighing accuracy in high-speed weighing applications. When damped, this model endures harsh conditions with shock-loading applications longer than undamped models. Sealed for protection in washdown situations. Capacities range from 2 kg to 50 kg.



Page 338

## 9010, ALUMINUM, FLUID DAMPED



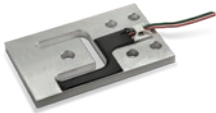
A self-contained weighing module for use in repeated shock-loading applications or where fast weighing and settling times are required. Each is custom manufactured per specific application requirements. Capacities range from 3 kg to 50 kg.



PLANAR BEAM

Page 339

## 380, ALUMINUM



Low -profile planar beam designed for a range of capacities and direct mounting in platform scales. Making this model suitable for use in a wide range of applications.



COMPRESSION CANISTER

Page 340

## 220, STAINLESS STEEL



Bending ring load cell with low profile design ideal for high capacity weighing applications, including weighbridges, tanks, silos, high capacity platform scales and force measurement. OIML approved.



Page 341

## 120, STAINLESS STEEL



Stainless steel, welded-seal canister offered in capacities from 20,000 kg to 50,000 kg. Includes load cup and load pin.

Page 342

## VPg® TEDEA-HUNTLEIGH MODEL 9010 APPLICATION DEFINITION FORM



Picture is a representation of actual product

#### Approvals



Available  
upon  
request

Available  
upon  
request

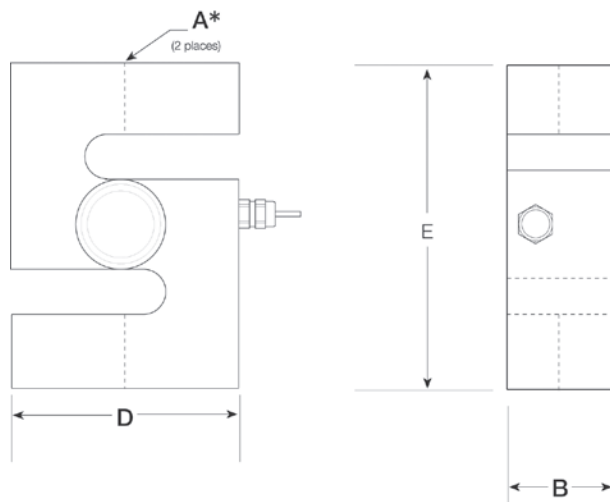
#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 500 kg      | 36389  | 4 lb        | \$689.00 |
| 1,000 kg    | 36390  | 4 lb        | \$689.00 |
| 2,000 kg    | 36391  | 4 lb        | \$689.00 |

#### Dimensions

| Rated Capacity | A*         | B    | D    | E    |
|----------------|------------|------|------|------|
| kg/mm          |            |      |      |      |
| 500 to 1,000   | 1/2-20 UNF | 33.5 | 73.2 | 94.0 |
| 2,000          | 3/4-16 UNF | 33.5 | 73.2 | 94.0 |

Metric threads available



#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated Tension

Cell Mount..... page 38

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

400 (± 20) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Welded-seal, IP68

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

1,000 megohm

##### Cable Length:

5 m

##### Cable Diameter:

0.220 in

Polyurethane jacket

##### Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP

Ex (Available upon request)

OIML (Available upon request)



Picture is a representation of actual product

#### Approvals



Available  
upon  
request

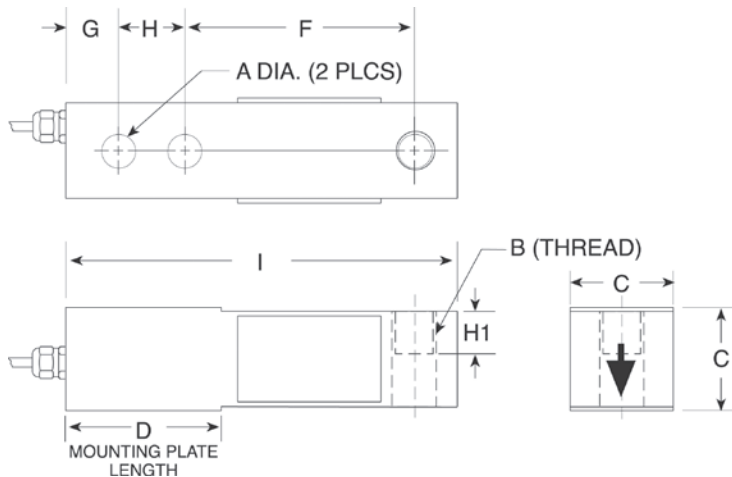
Available  
upon  
request

#### Order Information

| Load Rating            | Part #       | Est. Weight | Price    |
|------------------------|--------------|-------------|----------|
| <b>Alloy Steel</b>     |              |             |          |
| 1,000 lb               | <b>29903</b> | 3 lb        | \$312.00 |
| 2,500 lb               | <b>29904</b> | 3 lb        | \$312.00 |
| 4,000 lb               | <b>29905</b> | 3 lb        | \$312.00 |
| 5,000 lb               | <b>29906</b> | 4 lb        | \$397.00 |
| 10,000 lb              | <b>29907</b> | 4 lb        | N/A      |
| <b>Stainless Steel</b> |              |             |          |
| 1,000 lb               | <b>47871</b> | 3 lb        | \$371.00 |
| 2,500 lb               | <b>47872</b> | 3 lb        | \$371.00 |
| 4,000 lb               | <b>47873</b> | 3 lb        | \$350.00 |
| 5,000 lb               | <b>47874</b> | 4 lb        | \$445.00 |
| 10,000 lb              | <b>47875</b> | 4 lb        | \$471.00 |

#### Dimensions

| Rated Capacity  | A    | B          | C    | D    | F    | G    | H    | H1   | I    |
|-----------------|------|------------|------|------|------|------|------|------|------|
| <b>lb/in</b>    |      |            |      |      |      |      |      |      |      |
| 1,000 to 4,000  | 0.53 | 1/2-20 UNF | 1.24 | 2.25 | 3.00 | 0.63 | 1.00 | 0.60 | 5.12 |
| 5,000 to 10,000 | 0.78 | 3/4-16 UNF | 1.49 | 3.00 | 3.75 | 0.75 | 1.50 | 0.75 | 6.75 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
**RL30000I** .....page 120

RICE LAKE WEIGHING SYSTEMS  
**RL39123\*** .....page 123

VPG® REVERE  
**5123**..... page 258

VPG® REVERE  
**9123\*** ..... page 259

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL50210TA**..... page 41

RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series** ..... page 52

\*Stainless steel

#### Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
351 (± 5) ohm

**Input Resistance:**  
385 (± 10) ohm

**Material/Finish:**  
High-alloy, nickel plated  
Stainless steel

**Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**  
Environmentally sealed, IP67

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5 to 10 VDC (15 V maximum)

**Combined Error:**  
0.03% full scale

**Insulation Resistance:**  
2,000 megohm

**Deflection at Capacity:**  
0.015 in

**Cable Length:**  
10 ft

**Cable Diameter:**  
0.200 in  
PVC jacket

**Cable Color Code:**  
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal  
Blue +Sense  
Brown -Sense

**Warranty:**  
One-year limited

**Approvals:**  
cFMus  
NTEP  
Ex (Available upon request)  
OIML (Available upon request)



Picture is a representation of actual product

#### Approvals

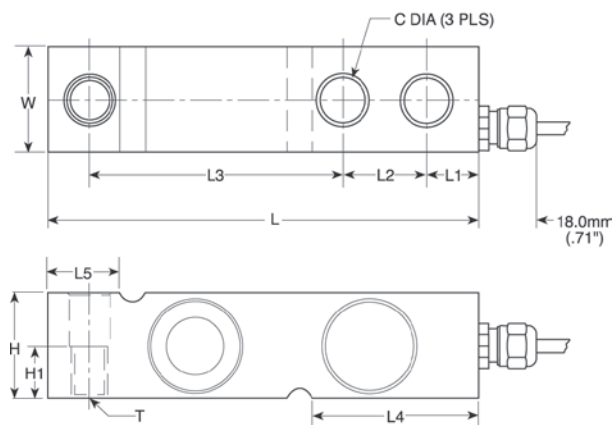


#### Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 1,000 lb    | <b>36458</b> | 3 lb        | \$515.00 |
| 1,500 lb    | <b>36459</b> | 3 lb        | \$515.00 |
| 2,500 lb    | <b>36460</b> | 3 lb        | \$515.00 |
| 4,000 lb    | <b>36461</b> | 3 lb        | \$515.00 |

#### Dimensions

| Rated Capacity | C    | C1   | H    | H1   | L    | L1   | L2   | L3   | L4   | L5   | T          | W    |
|----------------|------|------|------|------|------|------|------|------|------|------|------------|------|
| lb/in          |      |      |      |      |      |      |      |      |      |      |            |      |
| 1,000 to 4,000 | 0.53 | 0.53 | 1.26 | 0.63 | 5.12 | 0.62 | 1.00 | 3.00 | 1.97 | 0.91 | 1/2-14 UNF | 1.26 |



#### Interchangeable Products

VPG® SENSORTRONICS

**65083**..... page 296

VPG® CELTRON

**SQB-HSS**..... page 204

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1700 HE**.....page 33

#### Specifications

##### Full Scale Output:

3.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

415 (± 15) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Welded-seal, IP68

##### Safe Overload:

150% full scale

##### Safe Sideload:

100% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

1,000 megohm

##### Deflection at Capacity:

0.015 in

##### Cable Length:

5 m

##### Cable Diameter:

0.220 in

Polyurethane jacket

##### Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Gray -Sense

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP





Picture is a representation of actual product

Approvals



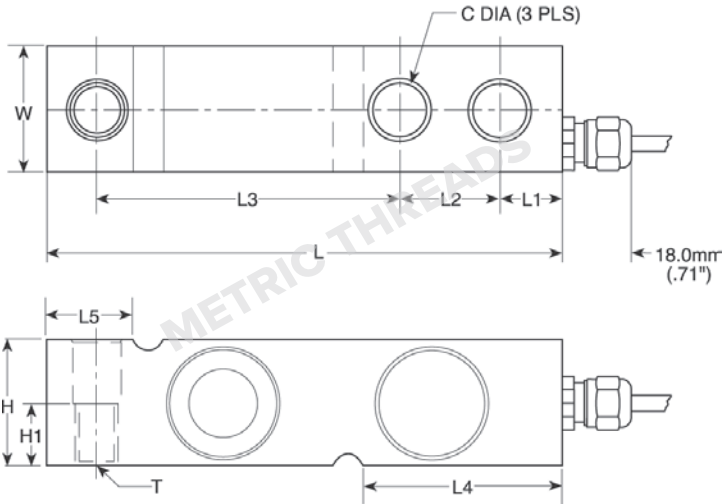
Available upon request

Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 500 kg      | 30161  | 3 lb        | \$514.00 |
| 1,000 kg    | 30162  | 3 lb        | \$514.00 |
| 2,000 kg    | 30163  | 3 lb        | \$514.00 |
| 5,000 kg    | 30164  | 5 lb        | \$514.00 |

Dimensions

| Rated Capacity | C    | C1   | H    | H1   | L     | L1   | L2   | L3   | L4   | L5   | T                | W    |
|----------------|------|------|------|------|-------|------|------|------|------|------|------------------|------|
| kg/mm          |      |      |      |      |       |      |      |      |      |      |                  |      |
| 500 to 2,000   | 13.5 | 13.5 | 32.0 | 16.0 | 130.0 | 15.8 | 25.4 | 76.2 | 50.5 | 23.5 | M12 × 1.75 Thrd. | 32.0 |
| 5,000          | 20.5 | 20.5 | 48.0 | —    | 171.5 | 19.0 | 38.1 | 95.3 | 70.0 | 37.0 | —                | 36.5 |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS  
RLHTO ..... page 127

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
RL1700 HE .....page 33

Specifications

- Full Scale Output:**  
2.0 mV/V
- Output Resistance:**  
350 (± 3) ohm
- Input Resistance:**  
380 (± 10) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP68
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.02% full scale
- Insulation Resistance:**  
2,000 megohm
- Deflection at Capacity:**  
0.015 in
- Cable Length:**  
5 m
- Cable Diameter:**  
0.220 in  
Polyurethane jacket
- Cable Color Code:**  
Blue +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Green +Sense  
Gray -Sense
- Warranty:**  
One-year limited
- Approvals:**  
cFMus  
OIML  
Ex (Available upon request)



Picture is a representation of actual product

#### Approvals



Available  
upon  
request

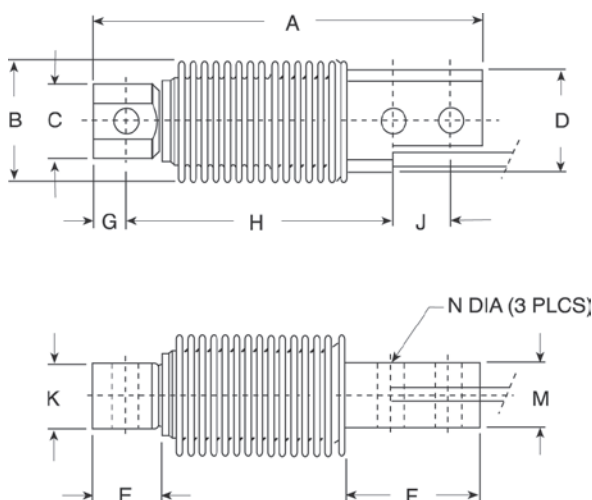
Available  
upon  
request

#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 5 kg        | 30165  | 2 lb        | \$556.00 |
| 10 kg       | 30166  | 2 lb        | \$556.00 |
| 20 kg       | 30167  | 2 lb        | \$556.00 |
| 50 kg       | 30168  | 2 lb        | \$556.00 |
| 100 kg      | 30169  | 2 lb        | \$556.00 |
| 200 kg      | 30170  | 2 lb        | \$556.00 |
| 500 kg      | 36463  | 2 lb        | \$556.00 |

#### Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F    | G    | H    | J    | K    | M    | N   |
|----------------|-------|------|------|------|------|------|------|------|------|------|------|-----|
| kg/mm          |       |      |      |      |      |      |      |      |      |      |      |     |
| 5 to 500       | 120.0 | 40.0 | 23.0 | 32.0 | 20.5 | 45.5 | 10.0 | 82.0 | 18.0 | 20.0 | 20.0 | 8.2 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL9018SS** .....page 119

RICE LAKE WEIGHING SYSTEMS

**RLHBB**

VP® REVERE

**SHB** .....page 265

HBM®

**Z6** .....page 238

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1700 HE** .....page 33

#### Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**

355 (± 5) ohm

**Input Resistance:**

380 (± 10) ohm

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Welded-seal, IP68

**Safe Overload:**

150% full scale

**Rated Excitation:**

5 to 10 VDC (15 V maximum)

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

2,000 megohm

**Deflection at Capacity:**

0.015 in

**Cable Length:**

10 ft

**Cable Diameter:**

0.220 in

Polyurethane jacket

**Cable Color Code:**

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

**Warranty:**

One-year limited

**Approvals:**

cFMus

NTEP

Ex (Available upon request)

OIML (Available upon request)



Picture is a representation of actual product

Approvals



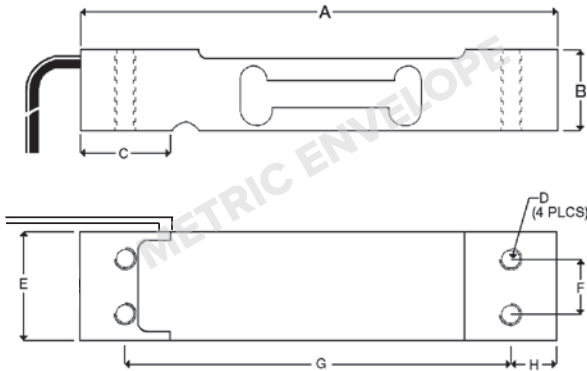
Available upon request

Order Information

| Load Rating   | Part # | Est. Weight | Price    |
|---------------|--------|-------------|----------|
| 1.5 ft Cables |        |             |          |
| 3 kg          | 41135  | 2 lb        | \$148.00 |
| 5 kg          | 41136  | 2 lb        | \$148.00 |
| 7 kg          | 41137  | 2 lb        | \$148.00 |
| 10 kg         | 41138  | 2 lb        | \$148.00 |
| 15 kg         | 41139  | 2 lb        | \$148.00 |
| 20 kg         | 41140  | 2 lb        | \$148.00 |
| 30 kg         | 41141  | 2 lb        | \$148.00 |
| 35 kg         | 41142  | 2 lb        | \$148.00 |
| 10 ft Cables  |        |             |          |
| 3 kg          | 132269 | 2 lb        | \$148.00 |
| 5 kg          | 132270 | 2 lb        | \$148.00 |
| 7 kg          | 132271 | 2 lb        | \$148.00 |
| 10 kg         | 132272 | 2 lb        | \$148.00 |
| 15 kg         | 132273 | 2 lb        | \$148.00 |
| 20 kg         | 132274 | 2 lb        | \$148.00 |
| 30 kg         | 132275 | 2 lb        | \$148.00 |
| 35 kg         | 132276 | 2 lb        | \$148.00 |
| 1.5 ft Cables |        |             |          |
| 10 kg         | 150770 | 2 lb        | \$148.00 |
| 15 kg         | 150771 | 2 lb        | \$148.00 |
| 20 kg         | 150772 | 2 lb        | \$148.00 |
| 30 kg         | 150773 | 2 lb        | \$148.00 |

Dimensions

| Rated Capacity | A     | B    | C    | D        | E    | F    | G     | H    |
|----------------|-------|------|------|----------|------|------|-------|------|
| kg/mm          |       |      |      |          |      |      |       |      |
| 3 to 7         | 130.0 | 22.0 | 25.0 | M6 × 1.0 | 25.4 | 15.0 | 106.0 | 12.0 |
| 10 to 30       | 130.0 | 22.0 | 25.0 | M6 × 1.0 | 30.0 | 15.0 | 106.0 | 12.0 |
| 35             | 130.0 | 22.0 | 25.0 | M6 × 1.0 | 40.0 | 15.0 | 106.0 | 12.0 |



Interchangeable Products

|                            |          |
|----------------------------|----------|
| RICE LAKE WEIGHING SYSTEMS |          |
| RL1521A.....               | page 168 |
| VPG® CELTRON               |          |
| LPS.....                   | page 209 |
| VPG® BLH                   |          |
| C2G1                       |          |
| NMB®                       |          |
| C2G1                       |          |

Specifications

|                        |   |
|------------------------|---|
| Full Scale Output:     | 2.0 mV/V  |
| Output Resistance:     | 350 (± 3) ohm   |
| Input Resistance:      | 415 (± 15) ohm  |
| Material/Finish:       | Anodized aluminum   |
| Temperature:           | Compensated range<br>14 °F to 104 °F (-10 °C to 40 °C)<br>Operating range<br>0 °F to 150 °F (-18 °C to 65 °C) |
| Seal Type:             | Environmentally sealed, IP66  |
| Safe Overload:         | 150% full scale   |
| Rated Excitation:      | 5 to 10 VDC (15 V maximum)  |
| Combined Error:        | 0.02% full scale  |
| Insulation Resistance: | 2,000 megohm  |
| Cable Length:          | 10 ft<br>1.5 ft   |
| Cable Diameter:        | 0.140 in PVC jacket   |
| Cable Color Code:      | Green +Excitation<br>Black –Excitation<br>Red +Signal<br>White –Signal  |
| Platform Size:         | 13.78 × 13.78 in  |
| Warranty:              | One-year limited  |
| Approvals:             | cMus<br>NTEP<br>OIML<br>Ex (Available upon request)   |



Picture is a representation of actual product

#### Approvals



#### Order Information

| Load Rating                              | Part # | Est. Weight | Price    |
|--|--------|-------------|----------|
| <b>1010 NTEP Certified, Potted</b>       |        |             |          |
| 10 kg                                    | 33727  | 2 lb        | \$207.00 |
| 15 kg                                    | 33728  | 2 lb        | \$207.00 |
| 20 kg                                    | 33729  | 2 lb        | \$207.00 |
| 30 kg                                    | 33730  | 2 lb        | \$207.00 |
| 50 kg                                    | 33731  | 2 lb        | \$207.00 |
| <b>1010 Non-NTEP Certified, Potted</b>   |        |             |          |
| 5 kg                                     | 17462  | 2 lb        | \$207.00 |
| 7 kg                                     | 17463  | 2 lb        | \$207.00 |
| 10 kg                                    | 17464  | 2 lb        | \$207.00 |
| 20 kg                                    | 17482  | 2 lb        | \$207.00 |
| 30 kg                                    | 17475  | 2 lb        | \$207.00 |
| 50 kg                                    | 17476  | 2 lb        | \$207.00 |
| 90 kg                                    | 17471  | 2 lb        | \$207.00 |
| <b>1010 NTEP Certified, Unpotted</b>     |        |             |          |
| 5 kg                                     | 33732  | 2 lb        | \$190.00 |
| 7 kg                                     | 33733  | 2 lb        | \$190.00 |
| <b>1010 Non-NTEP Certified, Unpotted</b> |        |             |          |
| 3 kg                                     | 17481  | 1.2 lb      | \$190.00 |
| <b>1015 NTEP Certified, Potted</b>       |        |             |          |
| 5 kg                                     | 188805 | 2 lb        | \$222.00 |
| 7 kg                                     | 188806 | 2 lb        | \$222.00 |
| 10 kg                                    | 188807 | 2 lb        | \$222.00 |
| 15 kg                                    | 188808 | 2 lb        | \$222.00 |
| 20 kg                                    | 188809 | 2 lb        | \$222.00 |
| 30 kg                                    | 188810 | 2 lb        | \$222.00 |
| 50 kg                                    | 188811 | 2 lb        | \$222.00 |
| <b>1015 Non-NTEP Certified, Potted</b>   |        |             |          |
| 3 kg                                     | 188804 | 1.2 lb      | \$222.00 |
| 90 kg                                    | 188812 | 2 lb        | \$222.00 |

Note: Model 1015 has M6 metric threads

#### Dimensions

| Rated Capacity | A     | B    | C   | D     | E    | F    | G    | H  | K   | L    | M    | N    |
|----------------|-------|------|-----|-------|------|------|------|--|-----|------|------|------|
| kg/mm          |       |      |     |       |      |      |      |  |     |      |      |      |
| 3 to 90        | 118.0 | 34.0 | 3.0 | 110.5 | 66.0 | 80.0 | 25.0 | (1010)<br>1/4-20 UNC x 13 DP<br>(1015) M6 Metric | 7.5 | 19.1 | 25.4 | 33.5 |

#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1010.....page 169

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

Model 1010: 415 (± 15) ohm

Model 1015: 350 (± 3) ohm

##### Material/Finish:

Aluminum

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed

Potted: IP67

Unpotted: IP65

##### Safe Overload:

150% at center of loading point, full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Deflection at Capacity:

0.015 in

##### Cable Length:

10 ft

##### Cable Diameter:

0.200 in PVC jacket

##### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

##### Platform Size:

15.75 x 15.75 in

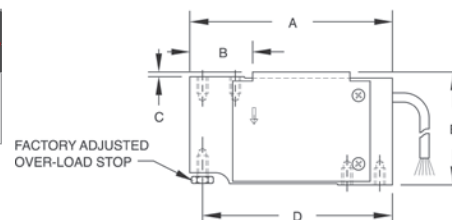
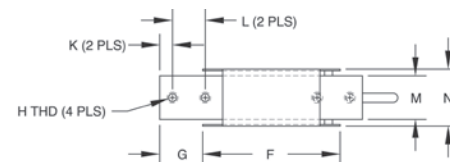
##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP





Picture is a representation of actual product

#### Approvals

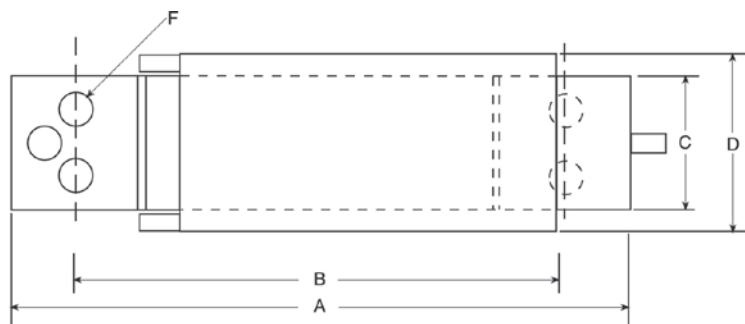


#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 3 kg        | 47882  | 1 lb        | \$280.00 |
| 5 kg        | 47883  | 1 lb        | \$280.00 |
| 7 kg        | 47884  | 1 lb        | \$280.00 |
| 10 kg       | 47885  | 1 lb        | \$280.00 |

#### Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F                  |
|----------------|-------|------|------|------|------|--------------------|
| kg/mm          |       |      |      |      |      |                    |
| 3 to 10        | 117.9 | 93.7 | 25.4 | 33.3 | 32.5 | 1/4-20 UNC × 10 DP |



#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

415 (± 15) ohm

##### Material/Finish:

Anodized aluminum

##### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP65

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

5,000 megohm

##### Deflection at Capacity:

0.015 in

##### Cable Length:

1 m

##### Cable Diameter:

0.200 in PVC jacket

##### Cable Color Code:

Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense

##### Platform Size:

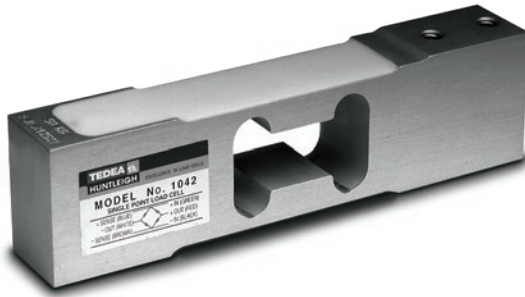
13.78 × 13.78 in

##### Warranty:

One-year limited

##### Approvals:

cFMus  
OIML



Picture is a representation of actual product

#### Approvals



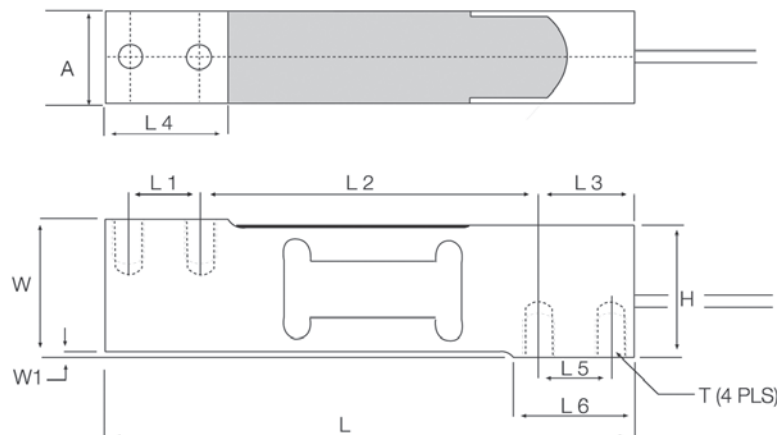
Available  
upon  
request

#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 1 kg        | 40680  | 2 lb        | \$190.00 |
| 3 kg        | 40681  | 2 lb        | \$190.00 |
| 5 kg        | 40682  | 2 lb        | \$190.00 |
| 10 kg       | 40683  | 2 lb        | \$190.00 |
| 15 kg       | 40684  | 2 lb        | \$190.00 |
| 20 kg       | 40685  | 2 lb        | \$190.00 |
| 30 kg       | 40686  | 2 lb        | \$190.00 |
| 50 kg       | 40687  | 2 lb        | \$190.00 |
| 75 kg       | 40688  | 2 lb        | \$190.00 |
| 100 kg      | 40689  | 2 lb        | \$190.00 |

#### Dimensions

| Rated Capacity | A    | H    | L     | L1   | L2    | L3   | L4   | L5   | L6   | W    | W1  | T          |
|----------------|------|------|-------|------|-------|------|------|------|------|------|-----|------------|
| kg/mm          |      |      |       |      |       |      |      |      |      |      |     |            |
| 1 to 30        | 20.0 | 39.0 | 150.0 | 19.0 | 100.0 | 25.0 | 34.0 | 19.0 | 34.0 | 40.0 | 1.0 | 1/4-20 UNC |
| 50 to 100      | 25.2 | 39.0 | 150.0 | 19.0 | 100.0 | 25.0 | 34.0 | 19.0 | 34.0 | 40.0 | 1.0 | 1/4-20 UNC |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1042**..... page 173

RICE LAKE WEIGHING SYSTEMS

**RL42018A**.....page 182

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

415 (± 15) ohm

##### Material/Finish:

Aluminum

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP66

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Deflection at Capacity:

0.015 in

##### Insulation Resistance:

2,000 megohm

##### Cable Length:

10 ft

##### Cable Diameter:

0.200 in PVC jacket

##### Platform Size:

16 × 16 in

##### Cable Color Code:

Green +Excitation

Black –Excitation

Red +Signal

White –Signal

Blue +Sense

Brown –Sense

##### Warranty:

One-year limited

##### Approvals:

NTEP

cFMus

OIML (Available upon request)



Picture is a representation of actual product

### Approvals



Available  
upon  
request

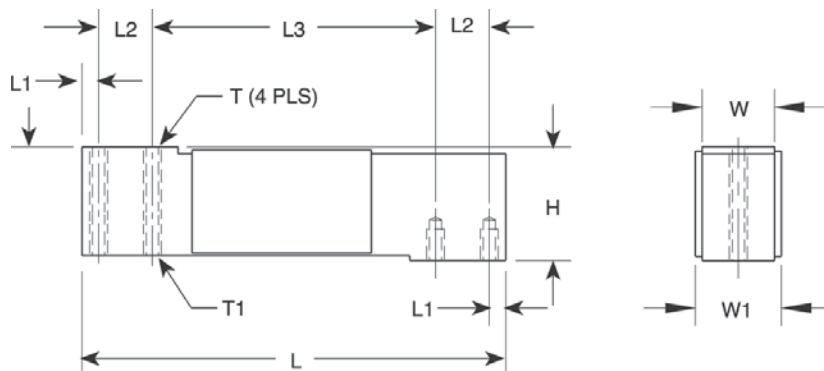
Available  
upon  
request

### Order Information

| Load Rating                       | Part # | Est. Weight | Price    |
|-----------------------------------|--------|-------------|----------|
| <b>NTEP Certified, Potted</b>     |        |             |          |
| 10 kg                             | 33719  | 2 lb        | \$207.00 |
| 15 kg                             | 33720  | 2 lb        | \$207.00 |
| 20 kg                             | 33721  | 2 lb        | \$207.00 |
| 30 kg                             | 33722  | 2 lb        | \$207.00 |
| 50 kg                             | 33723  | 2 lb        | \$207.00 |
| 100 kg                            | 33724  | 2 lb        | \$207.00 |
| <b>Non-NTEP Certified, Potted</b> |        |             |          |
| 5 kg                              | 17449  | 2 lb        | \$200.00 |
| 7 kg                              | 17483  | 2 lb        | \$200.00 |
| <b>NTEP Certified, Unpotted</b>   |        |             |          |
| 7 kg                              | 33726  | 2 lb        | \$200.00 |

### Dimensions

| Rated Capacity | H    | L     | L1  | L2   | L3    | T                  | T1                 | W    | W1   |
|----------------|------|-------|-----|------|-------|--------------------|--------------------|------|------|
| kg/mm          |      |       |     |      |       |                    |                    |      |      |
| 5 to 100       | 40.0 | 150.0 | 6.0 | 19.1 | 100.0 | 1/4-20 UNC × 10 DP | 1/4-28 UNF × 10 DP | 25.4 | 29.4 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1040** ..... page 174

METTLER TOLEDO®

**0785**

CARDINAL®

**TSP**

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

350 (± 3) ohm

#### Input Resistance:

415 (± 15) ohm

#### Material/Finish:

Anodized aluminum

#### Temperature:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP65

#### Safe Overload:

200% at center loading point, full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

2,000 megohm

#### Deflection at Capacity:

0.015 in

#### Cable Length:

10 ft

#### Cable Diameter:

0.200 in PVC jacket

#### Cable Color Code:

Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense

#### Platform Size:

15.75 × 15.75 in

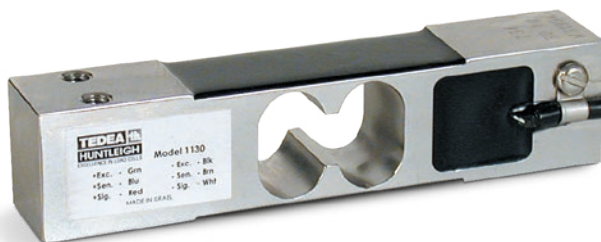
#### Warranty:

One-year limited

#### Approvals:

cFmus  
NTEP  
Ex (Available upon request)  
OIML (Available upon request)





Picture is a representation of actual product

#### Approvals



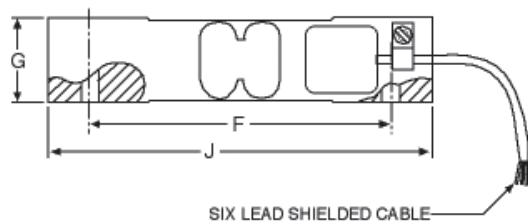
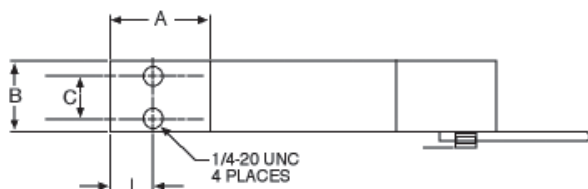
#### Order Information

| Load Rating                        | Part # | Est. Weight | Price    |
|------------------------------------|--------|-------------|----------|
| <b>1.5 m Cable</b>                 |        |             |          |
| 7.5 kg                             | 53485  | 2 lb        | \$270.00 |
| 10 kg                              | 112374 | 2 lb        | \$270.00 |
| 15 kg                              | 53486  | 2 lb        | \$270.00 |
| 30 kg                              | 53487  | 2 lb        | \$270.00 |
| 50 kg                              | 53488  | 2 lb        | \$270.00 |
| 100 kg*                            | 53490  | 2 lb        | \$270.00 |
| <b>3 m Cable</b>                   |        |             |          |
| 7.5 kg                             | 111381 | 2 lb        | \$280.00 |
| 10 kg                              | 112365 | 2 lb        | \$280.00 |
| 15 kg                              | 114132 | 2 lb        | \$280.00 |
| 30 kg                              | 114133 | 2 lb        | \$280.00 |
| <b>25 ft Cable Trimmed Outputs</b> |        |             |          |
| 15 kg                              | 124512 | 2 lb        | \$315.00 |
| 30 kg                              | 124513 | 2 lb        | \$315.00 |

\*Non-NTEP Certified

#### Dimensions

| Rated Capacity | A    | B    | C    | F     | G    | I    | J     |
|----------------|------|------|------|-------|------|------|-------|
| kg/mm          |      |      |      |       |      |      |       |
| 7.5 to 100     | 35.0 | 25.0 | 15.0 | 106.0 | 30.0 | 14.5 | 135.0 |



#### Interchangeable Products

AVERY WEIGH-TRONIX®  
MK29

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

385 (± 15) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP66

##### Safe Overload:

200% full scale, at center loading point

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Total Error:

0.02% full scale

##### Insulation Resistance:

2,000 megohm

##### Deflection at Capacity:

0.015 in

##### Cable Length:

1.5 m

3 m

25 ft

##### Cable Diameter:

0.200 in

PVC jacket

##### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

##### Platform Size:

15.75 × 15.75 in

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP (100 kg is non-NTEP)



Picture is a representation of actual product

#### Approvals

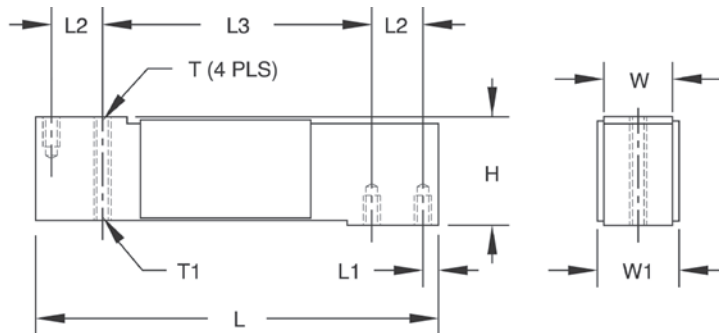


#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 15 kg       | 17451  | 3 lb        | \$339.00 |
| 30 kg       | 17452  | 3 lb        | \$339.00 |
| 50 kg       | 17468  | 3 lb        | \$339.00 |
| 75 kg       | 17485  | 3 lb        | \$339.00 |
| 100 kg      | 17453  | 3 lb        | \$339.00 |
| 150 kg      | 36466  | 3 lb        | \$339.00 |

#### Dimensions

| Rated Capacity | H    | L     | L1   | L2   | L3    | T                  | T1                 | W    | W1   |
|----------------|------|-------|------|------|-------|--------------------|--------------------|------|------|
| kg/mm          |      |       |      |      |       |                    |                    |      |      |
| 15 to 150      | 40.0 | 150.0 | 5.95 | 19.1 | 100.0 | 1/4-20 UNC × 10 DP | 1/4-28 UNF × 10 DP | 25.4 | 29.4 |



#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1140** ..... page 175

#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

385 (± 15) ohm

##### Material/Finish:

Stainless steel

##### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP67

##### Safe Overload:

150% at center loading point, full scale

##### Cable Diameter:

0.200 PVC jacket

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

2,000 megohm

##### Deflection at Capacity:

0.015 in

##### Cable Length:

10 ft

##### Cable Diameter:

0.200 in PVC jacket

##### Cable Color Code:

Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense

##### Platform Size:

15.75 × 15.75 in

##### Warranty:

One-year limited

##### Approvals:

cFMus



Picture is a representation of actual product

## Approvals

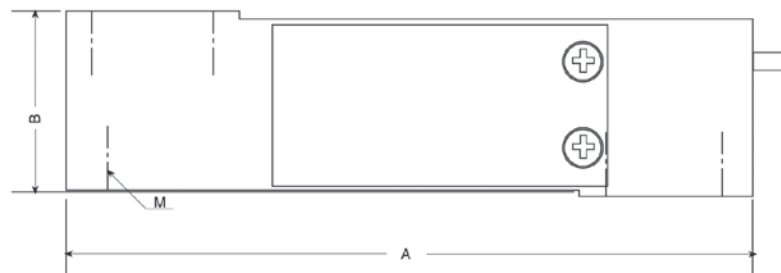
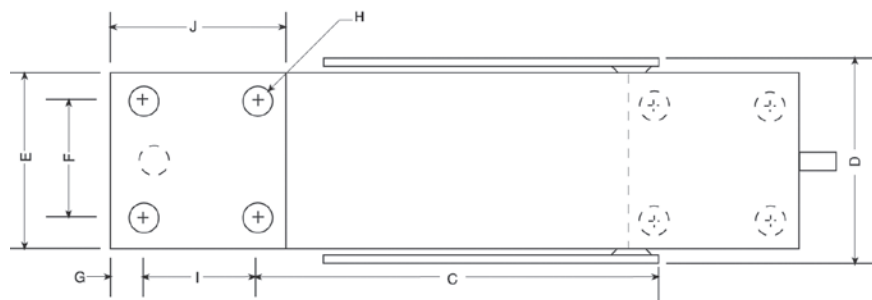


## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 200 kg      | 47880  | 3 lb        | \$371.00 |
| 250 kg      | 47881  | 3 lb        | \$371.00 |

## Dimensions

| Rated Capacity | A     | B    | C    | D    | E    | F    | G    | I    | J    | H                  | M                  |
|----------------|-------|------|------|------|------|------|------|------|------|--------------------|--------------------|
| kg/mm          |       |      |      |      |      |      |      |      |      |                    |                    |
| 200 to 250     | 150.1 | 39.9 | 86.6 | 43.4 | 38.1 | 25.4 | 6.35 | 25.4 | 38.1 | 1/4-20 UNC x 13 DP | 1/4-28 UNF x 10 DP |



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

351 ( $\pm 5$ ) ohm

### Input Resistance:

380 ( $\pm 15$ ) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP64

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

2,000 megohm

### Deflection at Capacity:

0.015 in

### Cable Length:

10 ft

### Cable Diameter:

0.200 in

PVC jacket

### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

### Platform Size:

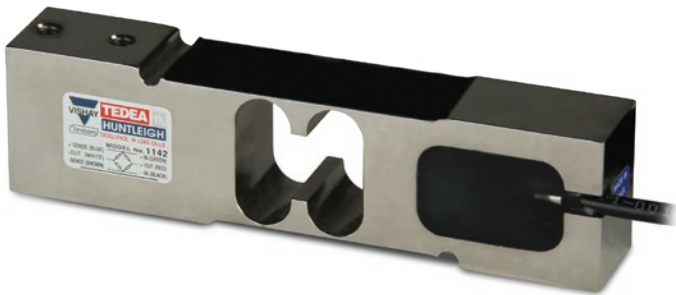
15.5 x 15.5 in

### Warranty:

One-year limited

### Approvals:

cFMus



Picture is a representation of actual product

Approvals



Available upon request

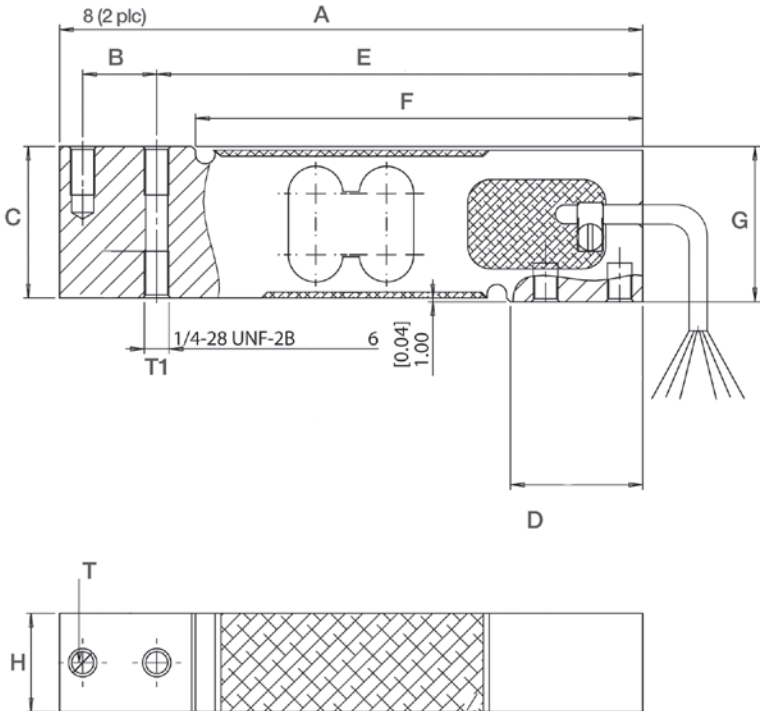
Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 10 kg       | 156361 | 3 lb        | \$339.00 |
| 15 kg       | 156362 | 3 lb        | \$339.00 |
| 20 kg       | 156363 | 3 lb        | \$339.00 |
| 30 kg       | 156364 | 3 lb        | \$339.00 |
| 50 kg       | 156365 | 3 lb        | \$339.00 |
| 100 kg      | 156367 | 3 lb        | \$339.00 |
| 150 kg      | 157809 | 3 lb        | \$339.00 |

Metric threads available as an option

Dimensions

| Rated Capacity | A     | B    | C    | D    | E     | F     | G    | H    | T          | T1         |
|----------------|-------|------|------|------|-------|-------|------|------|------------|------------|
| kg/mm          |       |      |      |      |       |       |      |      |            |            |
| 10 to 150      | 150.0 | 19.1 | 39.0 | 34.0 | 125.0 | 115.0 | 40.0 | 25.4 | 1/4-20 UNC | 1/4-28 UNF |



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLPWM15.....page 166

HBM®\*

PW15.....page 241

\*Color code is different

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

351 (± 5.0) ohm

Input Resistance:

385 (± 10) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC nominal (15 V maximum)

Combined Error:

0.02% full scale

Deflection at Capacity:

0.015 in

Insulation Resistance:

2,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.200 in PVC Jacket

Platform Size:

16 × 16 in

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Warranty:

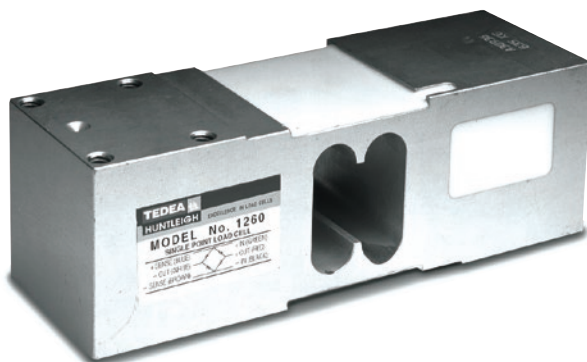
One-year limited

Approvals:

cFMus

NTEP

OIML (Available upon request)



Picture is a representation of actual product

### Approvals



Available  
upon  
request

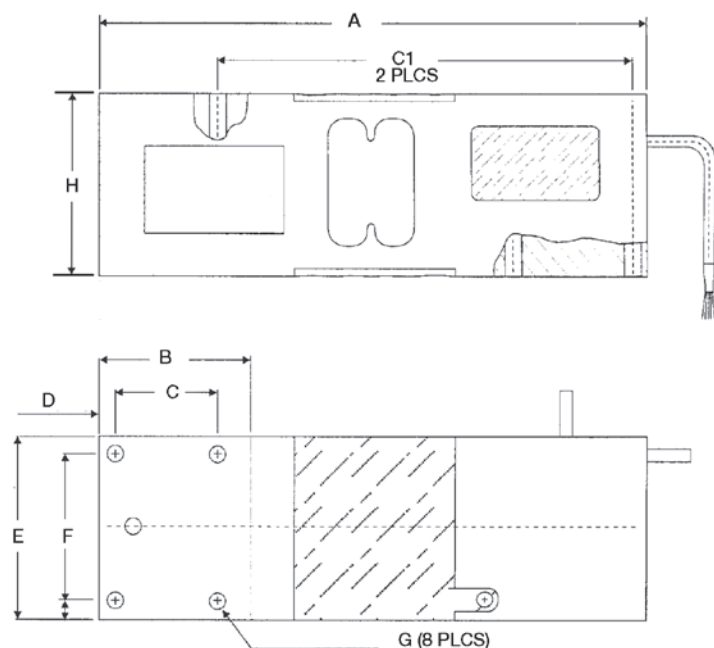
Available  
upon  
request

### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 kg       | 40769  | 5 lb        | \$328.00 |
| 75 kg       | 40770  | 5 lb        | \$328.00 |
| 100 kg      | 40771  | 5 lb        | \$328.00 |
| 150 kg      | 159005 | 5 lb        | \$328.00 |
| 200 kg      | 40772  | 5 lb        | \$328.00 |
| 250 kg      | 40773  | 5 lb        | \$328.00 |
| 300 kg      | 40774  | 5 lb        | \$328.00 |
| 500 kg      | 40775  | 5 lb        | \$328.00 |
| 635 kg      | 40776  | 5 lb        | \$328.00 |

### Dimensions

| Rated Capacity | A     | B    | C    | C1    | D   | E    | F    | G           | H    |
|----------------|-------|------|------|-------|-----|------|------|-------------|------|
| kg/mm          |       |      |      |       |     |      |      |             |      |
| 50 to 635      | 188.0 | 52.0 | 35.0 | 142.0 | 5.5 | 62.3 | 50.0 | 5/16-18 UNC | 62.3 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1260** ..... page 178

RICE LAKE WEIGHING SYSTEMS

**RLPWM16**..... page 172

VPG® TEDEA-HUNTLEIGH

**1260S**..... page 332

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

350 (± 3) ohm

#### Input Resistance:

415 (± 15) ohm

#### Material/Finish:

Anodized aluminum

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% of full scale at center loading point

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

2,000 megohm

#### Cable Length:

10 ft

#### Cable Diameter:

0.220 in

Polyurethane jacket

#### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

#### Max Platform Size:

24 × 24 in

#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP

Ex (Available upon request)

OIML (Available upon request)



Picture is a representation of actual product

### Approvals

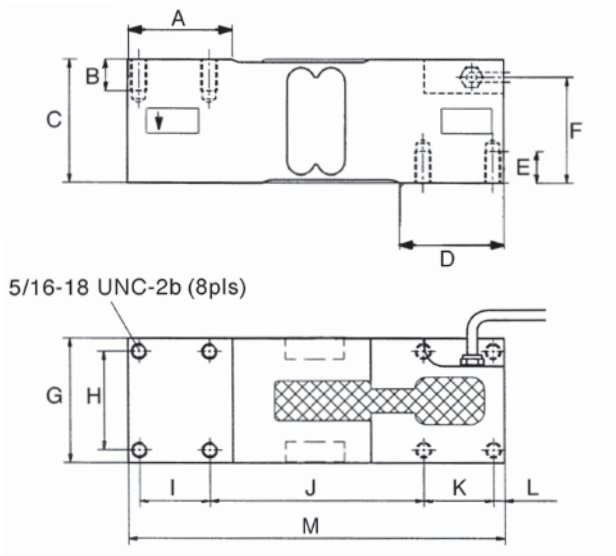


### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 75 kg       | 76395  | 5 lb        | \$344.00 |
| 100 kg      | 76396  | 5 lb        | \$344.00 |
| 150 kg      | 76397  | 5 lb        | \$344.00 |
| 200 kg      | 76398  | 5 lb        | \$344.00 |
| 250 kg      | 76399  | 5 lb        | \$344.00 |
| 500 kg      | 76401  | 5 lb        | \$344.00 |
| 635 kg      | 76402  | 5 lb        | \$344.00 |

### Dimensions

| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | I    | J     | K    | L   | M     |
|----------------|------|------|------|------|------|------|------|------|------|-------|------|-----|-------|
| kg/mm          |      |      |      |      |      |      |      |      |      |       |      |     |       |
| 75 to 635      | 52.0 | 16.0 | 62.3 | 52.0 | 16.0 | 52.3 | 63.0 | 50.0 | 35.0 | 107.0 | 35.0 | 5.5 | 188.0 |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1260** ..... page 178

RICE LAKE WEIGHING SYSTEMS

**RL26018A**.....page 180

VP® TEDEA-HUNTLEIGH

**1260** ..... page 331

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

350 (± 3) ohm

#### Input Resistance:

415 (± 15) ohm

#### Material/Finish:

Anodized aluminum

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP66

#### Safe Overload:

150% of full scale at center loading point

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

2,000 megohm

#### Cable Length:

10 ft

#### Cable Diameter:

0.220 in

Polyurethane jacket

#### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

#### Max Platform Size:

24 × 24 in

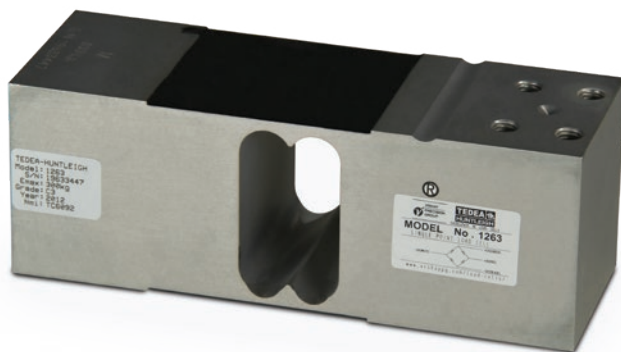
#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP



Picture is a representation of actual product

#### Approvals



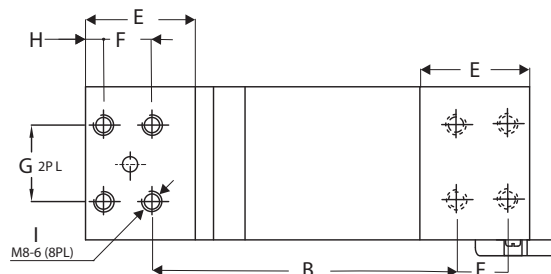
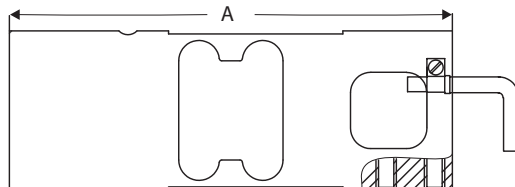
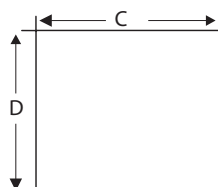
Available  
upon  
request

#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 50 kg       | 157478 | 5 lb        | \$290.00 |
| 100 kg      | 157479 | 5 lb        | \$290.00 |
| 150 kg      | 157480 | 5 lb        | \$290.00 |
| 200 kg      | 157481 | 5 lb        | \$290.00 |
| 250 kg      | 157482 | 5 lb        | \$290.00 |
| 300 kg      | 157483 | 5 lb        | \$290.00 |
| 500 kg      | 157484 | 5 lb        | \$290.00 |
| 635 kg      | 157485 | 5 lb        | \$290.00 |

#### Dimensions

| Rated Capacity | A     | B     | C    | D    | E    | F    | G    | H   | I    |
|----------------|-------|-------|------|------|------|------|------|-----|------|
| kg/mm          |       |       |      |      |      |      |      |     |      |
| 50 to 635 kg   | 174.0 | 122.0 | 60.0 | 62.5 | 43.0 | 19.0 | 30.0 | 7.0 | M8-6 |



#### Interchangeable Products

TRANSCELL®  
FAV

#### Specifications

**Full Scale Output:**

2 mV/V

**Output Resistance:**

350 (± 3) ohm

**Input Resistance:**

415 (± 15) ohm

**Material/Finish:**

Anodized aluminum

**Temperature:**

Operating range:  
0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Environmentally sealed, IP66

**Safe Overload:**

150% of rated output

**Rated Excitation:**

10 VAC (15 V maximum)

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

2,000 megohm

**Cable Length:**

5 ft

**Cable Diameter:**

0.200 in  
PVC jacket

**Cable Color Code:**

Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal

**Max Platform Size:**

24 × 24 in

**Warranty:**

One-year limited

**Approvals:**

OIML  
Ex (Available upon request)





Picture is a representation of actual product

### Approvals



Available  
upon  
request

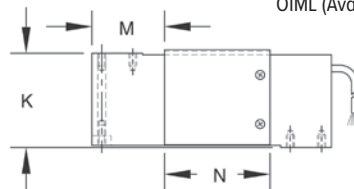
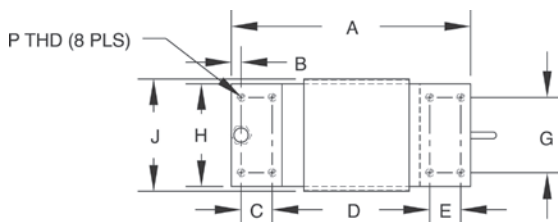
Available  
upon  
request

### Order Information

| Load Rating                            | Part # | Est. Weight | Price    |
|--|--------|-------------|----------|
| <b>NTEP Certified, 10 ft Cable</b>     |        |             |          |
| 50 kg                                  | 17478  | 6 lb        | \$365.00 |
| 75 kg                                  | 17469  | 6 lb        | \$365.00 |
| 100 kg                                 | 33711  | 6 lb        | \$365.00 |
| 150 kg                                 | 33712  | 6 lb        | \$365.00 |
| 200 kg                                 | 33713  | 6 lb        | \$365.00 |
| 250 kg                                 | 33714  | 6 lb        | \$365.00 |
| 300 kg                                 | 33715  | 6 lb        | \$365.00 |
| 500 kg                                 | 33716  | 6 lb        | \$365.00 |
| 635 kg                                 | 33717  | 6 lb        | \$365.00 |
| 1,000 kg                               | 17480  | 6 lb        | \$365.00 |
| <b>Non-NTEP Certified, 25 ft Cable</b> |        |             |          |
| 50 kg                                  | 40944  | 6 lb        | \$365.00 |
| 75 kg                                  | 40945  | 6 lb        | \$365.00 |
| 100 kg                                 | 40946  | 6 lb        | \$365.00 |
| 150 kg                                 | 32342  | 6 lb        | \$365.00 |
| 200 kg                                 | 32341  | 6 lb        | \$365.00 |
| 250 kg                                 | 40947  | 6 lb        | \$365.00 |
| 300 kg                                 | 32340  | 6 lb        | \$365.00 |

### Dimensions

| Rated Capacity | A     | B    | C    | D     | E    | G    | H    | J    | K    | M    | N    | P                      |
|----------------|-------|------|------|-------|------|------|------|------|------|------|------|------------------------|
| kg/mm          |       |      |      |       |      |      |      |      |      |      |      |                        |
| 50 to 1,000    | 191.0 | 11.0 | 25.0 | 125.0 | 25.0 | 60.0 | 75.0 | 82.0 | 75.0 | 57.5 | 85.0 | 5/16-18 UNC<br>× 15 DP |



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1218A**.....page 181

RICE LAKE WEIGHING SYSTEMS

**RL1250**

FLINTEC®

**PCB\***.....page 227

TRANSCELL®

**FAY**

\*Stainless steel, hermetically sealed

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Bridge Resistance:

350 ohm, nominal

#### Material/Finish:

Anodized aluminum

#### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Environmentally sealed, IP67

#### Safe Overload:

150% of full scale at center loading point

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.02% full scale

#### Insulation Resistance:

2,000 megohm

#### Deflection at Capacity:

0.015 in

#### Cable Length:

10 ft

25 ft

#### Cable Diameter:

0.200 in PVC jacket

#### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

#### Max Platform size:

50 to 500 kg: 800 × 800 mm

635 to 1,000 kg: 600 × 600 mm

#### Warranty:

One-year limited

#### Approvals:

cFMus

NTEP

Ex (Available upon request)

OIML (Available upon request)



Picture is a representation of actual product

#### Approvals



Available  
upon  
request

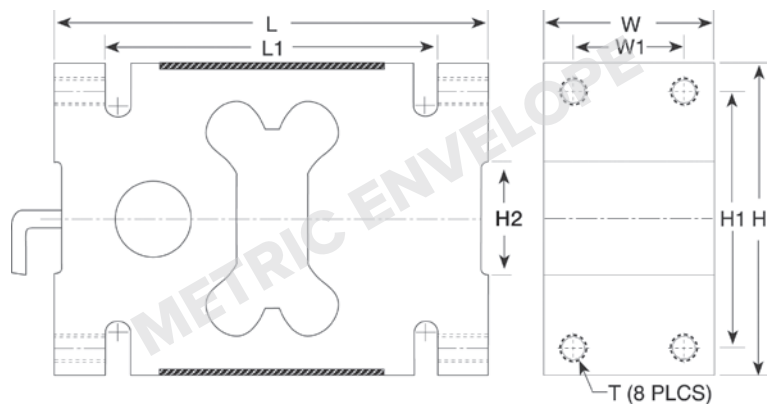
Available  
upon  
request

#### Order Information

| Load Rating | Part #       | Est. Weight | Price    |
|-------------|--------------|-------------|----------|
| 1,000 kg    | <b>29908</b> | 9 lb        | \$556.00 |
| 1,500 kg    | <b>29909</b> | 9 lb        | \$556.00 |
| 2,000 kg    | <b>29910</b> | 9 lb        | \$556.00 |

#### Dimensions

| Rated Capacity | H     | H1   | H2   | L     | L1    | T          | W    | W1   |
|----------------|-------|------|------|-------|-------|------------|------|------|
| kg/mm          |       |      |      |       |       |            |      |      |
| 1,000 to 2,000 | 126.0 | 95.0 | 45.0 | 176.0 | 135.0 | M16 × 2-6H | 76.0 | 46.0 |



#### Specifications

##### Full Scale Output:

2.0 mV/V

##### Output Resistance:

350 (± 3) ohm

##### Input Resistance:

415 (± 15) ohm

##### Material/Finish:

Aluminum alloy

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP66

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC (15 V maximum)

##### Combined Error:

0.02% full scale

##### Insulation Resistance:

2,000 megohm

##### Deflection at Capacity:

0.015 in

##### Max. Platform Size:

4 × 4 ft

##### Cable Length:

5 m

##### Cable Diameter:

0.220 in

Polyurethane jacket

##### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP

Ex (Available upon request)

OIML (Available upon request)



Picture is a representation of actual product

Approvals



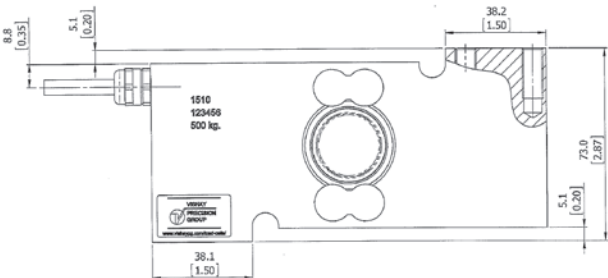
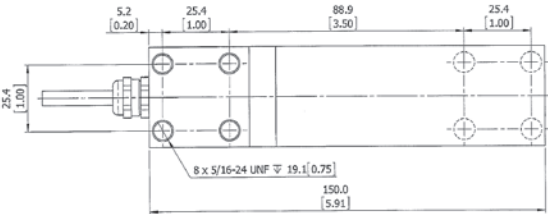
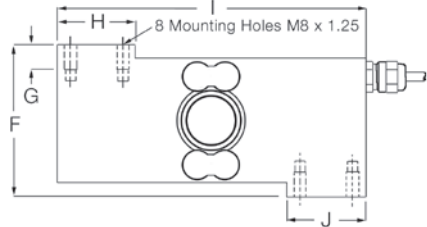
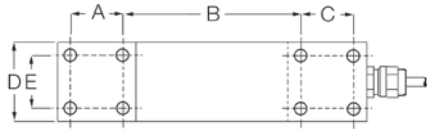
Order Information

| Load Rating    | Part # | Est. Weight | Price    |
|----------------|--------|-------------|----------|
| OIML           |        |             |          |
| 100 kg         | 65851  | 6 lb        | \$842.00 |
| 250 kg         | 65852  | 6 lb        | \$842.00 |
| 500 kg         | 65853  | 6 lb        | \$842.00 |
| NTEP Certified |        |             |          |
| 500 kg*        | 167585 | 6 lb        | \$842.00 |

\*Used in Rice Lake monorail scale

Dimensions

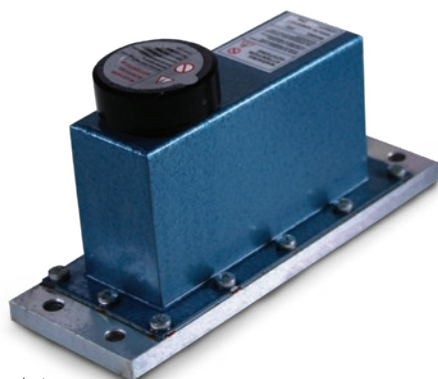
| Rated Capacity | A    | B    | C    | D    | E    | F    | G    | H    | I     | J    |
|----------------|------|------|------|------|------|------|------|------|-------|------|
| kg/mm          |      |      |      |      |      |      |      |      |       |      |
| 100 to 500     | 25.4 | 86.3 | 25.4 | 38.1 | 25.4 | 72.8 | 11.9 | 38.1 | 149.9 | 38.1 |



Tede 1510 PN 167585 to be used with Rice Lake Monorail Scale

Specifications

- Full Scale Output:**  
2.0 mV/V
- Output Resistance:**  
350 (± 3) ohm
- Input Resistance:**  
380 (± 10) ohm
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Welded-seal, IP68
- Safe Overload:**  
150% at center loading point, full scale
- Rated Excitation:**  
5 to 10 VDC (15 V maximum)
- Combined Error:**  
0.020% full scale
- Insulation Resistance:**  
2,000 megohm
- Cable Length:**  
10 ft
- Cable Diameter:**  
0.220 in  
Polyurethane jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense
- Platform Size:**  
23.62 × 23.62 in
- Warranty:**  
One-year limited
- Approvals:**  
cFMus  
OIML  
NTEP



Picture is a representation of actual product

## Approvals



Available  
upon  
request

## Order Information

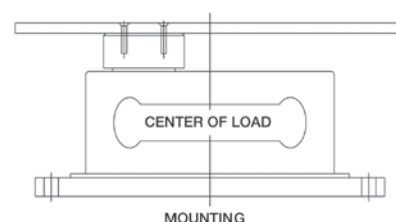
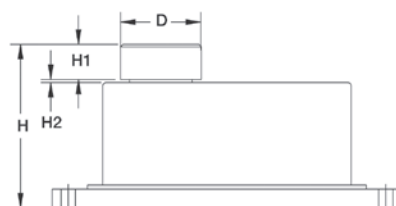
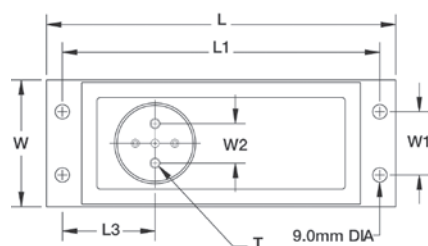
| Load Rating            | Part # | Est. Weight | Price    |
|------------------------|--------|-------------|----------|
| <b>Stainless Steel</b> |        |             |          |
| 2 kg*                  | 17567  | 8 lb        | \$875.00 |
| 5 kg                   | 17568  | 8 lb        | \$875.00 |
| 7 kg                   | 17569  | 8 lb        | \$875.00 |
| 10 kg                  | 17570  | 8 lb        | \$875.00 |
| 15 kg                  | 17571  | 8 lb        | \$875.00 |
| 20 kg                  | 17572  | 8 lb        | \$875.00 |
| 30 kg                  | 17573  | 8 lb        | \$875.00 |
| 50 kg                  | 17574  | 8 lb        | \$875.00 |
| <b>Alloy Steel</b>     |        |             |          |
| 2 kg*                  | 17559  | 8 lb        | \$768.00 |
| 5 kg                   | 17560  | 8 lb        | \$768.00 |
| 7 kg                   | 17561  | 8 lb        | \$768.00 |
| 10 kg                  | 17562  | 8 lb        | \$768.00 |
| 15 kg                  | 17563  | 8 lb        | \$768.00 |
| 20 kg                  | 17564  | 8 lb        | \$768.00 |
| 30 kg                  | 17565  | 8 lb        | \$768.00 |
| 50 kg                  | 17566  | 8 lb        | \$768.00 |

\*Non-NTEP Certified

Note: The special fluid damped operation is particularly well-suited for applications where quick weighment is required, e.g., checkweighers

## Dimensions

| Rated Capacity | D      | H     | H1   | H2  | L     | L1    | L3   | T                  | W    | W1   | W2   |
|----------------|--------|-------|------|-----|-------|-------|------|--------------------|------|------|------|
| kg/mm          |        |       |      |     |       |       |      |                    |      |      |      |
| 2 to 50        | 50 dia | 115.0 | 21.0 | 2.0 | 220.0 | 200.0 | 58.5 | 1/4-20 UNC x 10 DP | 80.0 | 40.0 | 25.0 |



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL260FD\* ..... page 179

\*3000d NTEP, 16.4 ft cable

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3) ohm

### Input Resistance:

415 (± 15) ohm

### Material/Finish:

Anodized aluminum in alloy steel or stainless steel

### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP66

### Safe Overload:

150% at center loading point, full scale

### Rated Excitation:

5 to 10 VDC (15 V maximum)

### Combined Error:

0.025% full scale

### Insulation Resistance:

2,000 megohm

### Cable Length:

10 ft

### Cable Diameter:

0.370 in PVC jacket

### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

### Warranty:

One-year limited

### Approvals:

NTEP

OIML (Available upon request)

SINGLE POINT  
**9010**  
Fluid Damped Aluminum, Environmentally Sealed, IP65



Picture is a representation of actual product

Approvals



Order Information

| Load Rating | Part #  | Est. Weight | Price    |
|-------------|---------|-------------|----------|
| 3 kg        | Consult | 7 lb        | \$950.00 |
| 5 kg        | Consult | 7 lb        | \$950.00 |
| 7 kg        | Consult | 7 lb        | \$950.00 |
| 10 kg       | Consult | 7 lb        | \$950.00 |
| 15 kg       | Consult | 7 lb        | \$950.00 |
| 20 kg       | Consult | 7 lb        | \$950.00 |
| 30 kg       | Consult | 7 lb        | \$950.00 |
| 50 kg       | Consult | 7 lb        | \$950.00 |

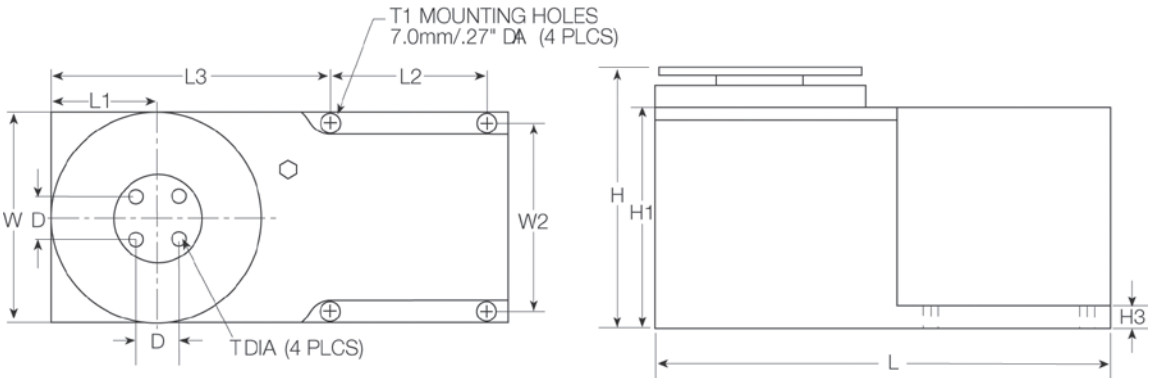
Note: The special fluid damped operation is particularly well-suited for applications where quick weighment is required, e.g., checkweighers

9010 load cells are custom-manufactured per specific application requirements; use the Application Definition Form on page 342 of this section as well as online at [www.ricelake.com/questionnaires](http://www.ricelake.com/questionnaires) to define your applications

Available in stainless steel with breather vent option for washdown applications

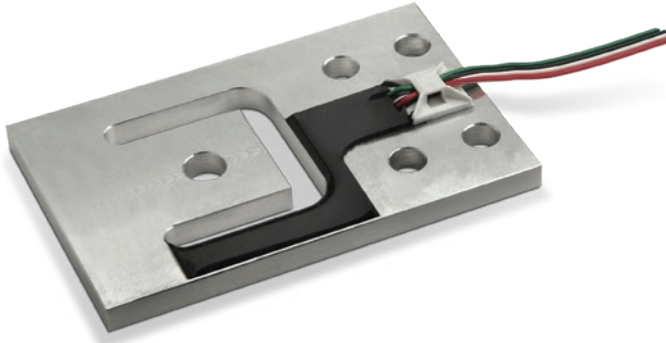
Dimensions

| Rated Capacity | D    | H     | H1   | H3   | L     | L1   | L2   | L3    | T                  | W    | W2   |
|----------------|------|-------|------|------|-------|------|------|-------|--------------------|------|------|
| kg/mm          |      |       |      |      |       |      |      |       |                    |      |      |
| 3 to 50        | 19.1 | 115.2 | 97.3 | 10.0 | 199.5 | 46.0 | 71.5 | 119.8 | 1/4-20 UNC x 20 DP | 92.0 | 82.0 |



Specifications

- Full Scale Output:**  
2.0 mV/V
- Output Resistance:**  
350 ( $\pm 5$ ) ohm
- Input Resistance:**  
415 ( $\pm 15$ ) ohm
- Material/Finish:**  
Aluminum
- Temperature:**  
Operating range  
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**  
Environmentally sealed, IP65
- Safe Overload:**  
800% full scale downward,  
400% full scale upward
- Rated Excitation:**  
15 VDC (15 V maximum)
- Combined Error:**  
0.03% full scale
- Insulation Resistance:**  
5,000 megohm
- Cable Length:**  
3 ft
- Cable Diameter:**  
0.370 in PVC jacket
- Cable Color Code:**  
Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense
- Warranty:**  
One-year limited
- Approvals:**  
cFMus



Picture is a representation of actual product

#### Approvals



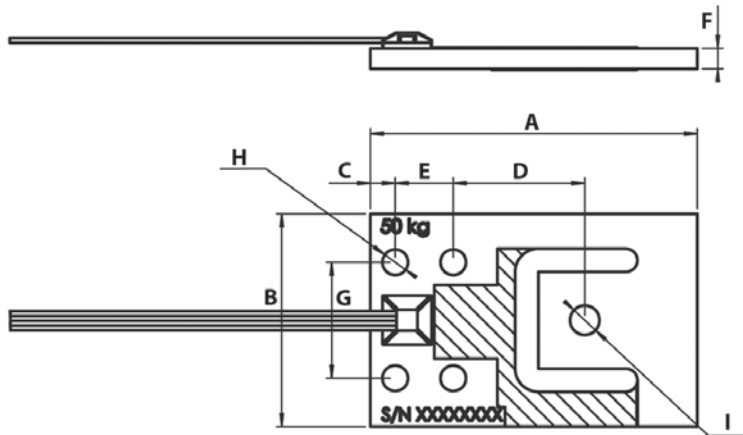
Available  
upon  
request

#### Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 7.5 kg      | 112921 | 1 lb        | \$80.00  |
| 15 kg       | 186687 | 1 lb        | \$85.00  |
| 37.5 kg     | 112922 | 1 lb        | \$85.00  |
| 50 kg       | 112923 | 1 lb        | \$90.00  |
| 75 kg       | 112924 | 1 lb        | \$90.00  |
| 150 kg      | 112925 | 1 lb        | \$106.00 |

#### Dimensions

| Rated Capacity | A     | B    | C   | D    | E    | F   | G    | H   | I   |
|----------------|-------|------|-----|------|------|-----|------|-----|-----|
| kg/mm          |       |      |     |      |      |     |      |     |     |
| 7.5            | 70.0  | 39.0 | 4.9 | 28.0 | 14.0 | 2.5 | 27.8 | 5.1 | 5.1 |
| 15.0           | 70.0  | 39.0 | 4.9 | 28.0 | 14.0 | 4.1 | 27.8 | 5.1 | 5.1 |
| 37.5           | 76.2  | 44.5 | 6.0 | 29.3 | 15.0 | 4.8 | 30.0 | 6.6 | 6.2 |
| 50.0           | 84.5  | 55.0 | 6.4 | 34.0 | 15.0 | 5.3 | 30.0 | 6.6 | 7.6 |
| 75.0           | 84.5  | 55.0 | 6.4 | 34.0 | 15.0 | 6.4 | 30.0 | 6.6 | 7.6 |
| 150.0          | 107.5 | 70.0 | 7.8 | 45.9 | 22.8 | 8.0 | 44.5 | 8.1 | 8.2 |



#### Specifications

##### Full Scale Output:

1.0 mV/V

##### Output Resistance:

1,000 ( $\pm 10$ ) ohm

##### Input Resistance:

1,160 ( $\pm 15$ ) ohm

##### Material/Finish:

Aluminum

##### Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

##### Seal Type:

Environmentally sealed, IP65

##### Safe Overload:

150% full scale

##### Rated Excitation:

5 to 10 VDC

##### Insulation Resistance:

5,000 megohm

##### Cable Length:

1.5 m flat ribbon type, PVC

##### Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

##### Warranty:

One-year limited

##### Approvals:

NTEP

OIML (available upon request)





Picture is a representation of actual product

### Approvals

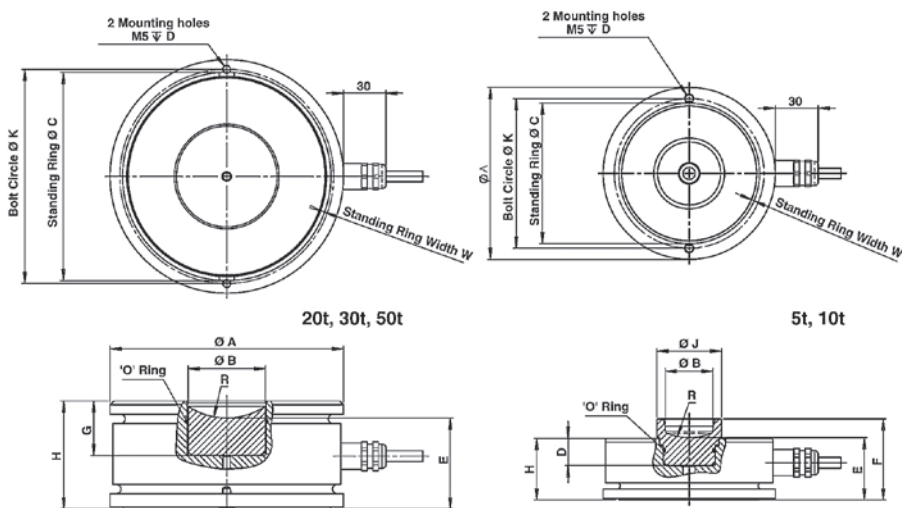


### Order Information

| Load Rating | Part #       | Est. Weight | Price      |
|-------------|--------------|-------------|------------|
| 5,000 kg    | <b>65854</b> | 3 lb        | \$1,266.00 |
| 10,000 kg   | <b>65855</b> | 5 lb        | \$1,372.00 |
| 20,000 kg   | <b>65856</b> | 8 lb        | \$1,372.00 |
| 30,000 kg   | <b>65857</b> | 8 lb        | \$1,372.00 |

### Dimensions

| Rated Capacity   | A     | B    | C     | D    | E    | H    |
|------------------|-------|------|-------|------|------|------|
| kg/mm            |       |      |       |      |      |      |
| 5,000            | 80.0  | 19.0 | 70.0  | 20.0 | 33.4 | 30.0 |
| 10,000           | 92.0  | 28.0 | 80.0  | 14.6 | 33.4 | 33.0 |
| 20,000 to 30,000 | 110.0 | 29.0 | 101.5 | 26.3 | 39.0 | 50.0 |



### Interchangeable Products

AVERY WEIGH-TRONIX®

**220**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**220**.....page 47

### Specifications

#### Full Scale Output:

2.0 mV/V

#### Output Resistance:

1,025 (± 20) ohm

#### Input Resistance:

1,065 (± 60) ohm

#### Material/Finish:

Stainless steel

#### Temperature:

Compensated range  
14 °F to 104 °F (-10 °C to 40 °C)

Operating range  
0 °F to 150 °F (-18 °C to 65 °C)

#### Seal Type:

Hermetically sealed, IP68

#### Safe Overload:

150% at center loading point, full scale

#### Rated Excitation:

5 to 10 VDC (15 V maximum)

#### Combined Error:

0.020% full scale

#### Insulation Resistance:

2,000 megohm

#### Deflection at Capacity:

< 0.5 mm at full scale

#### Cable Length:

5,000 kg: 5 m  
10,000 to 20,000 kg: 10 m  
30,000 kg: 20 m

#### Cable Diameter:

0.220 in  
Polyurethane jacket

#### Cable Color Code:

Blue +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Green +Sense  
Gray -Sense

#### Warranty:

One-year limited

#### Approvals:

cFMS  
OIML  
NTEP





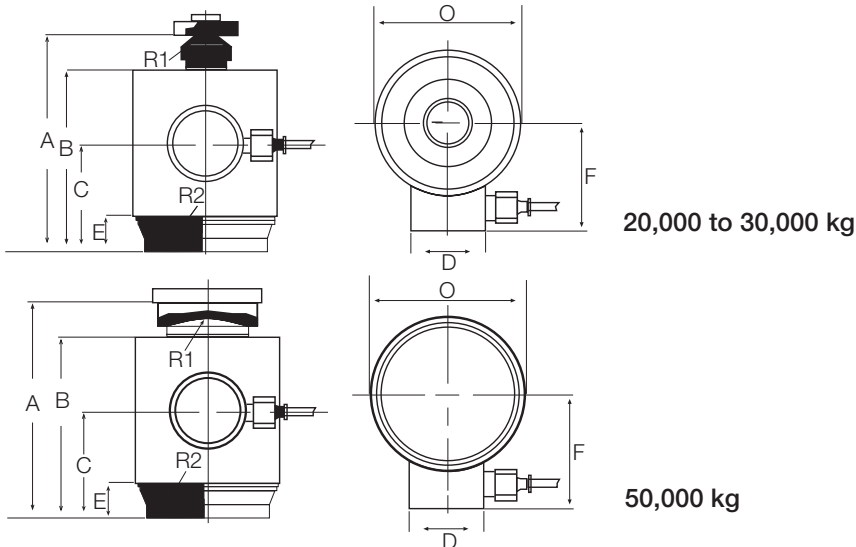
Picture is a representation of actual product

## Order Information

| Load Rating | Part # | Est. Weight | Price    |
|-------------|--------|-------------|----------|
| 20,000 kg   | 169233 | 10 lb       | \$662.00 |
| 30,000 kg   | 169234 | 10 lb       | \$662.00 |
| 50,000 kg   | 169235 | 13 lb       | \$662.00 |

## Dimensions

| Rated Capacity | A     | B     | C    | D    | E    | F    | O    | R1   | R2    |
|----------------|-------|-------|------|------|------|------|------|------|-------|
| kg/mm          |       |       |      |      |      |      |      |      |       |
| 20,000         | 138.3 | 112.3 | 72.3 | 50.0 | 32.3 | 69.0 | 88.0 | 15.0 | 150.0 |
| 30,000         | 138.3 | 112.3 | 72.3 | 50.0 | 32.3 | 69.0 | 88.0 | 15.0 | 150.0 |
| 50,000         | 155.5 | 115.8 | 74.0 | 50.0 | 32.3 | 69.0 | 88.0 | 35.0 | 300.0 |



Load cups not included

## Specifications

### Full Scale Output:

1.5 mV/V

### Output Resistance:

605 ( $\pm 5$ ) ohm

### Input Resistance:

670 ( $\pm 15$ ) ohm

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-0 °F to 150 °F (-18 °C to 65 °C)

### Seal Type:

Environmentally sealed, IP68

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 10 VDC

### Combined Error:

0.02% of applied load

### Insulation Resistance:

2,000 megohm

### Cable Length:

15 m

### Cable Color Code:

Green +Excitation  
Black -Excitation  
Red +Signal  
White -Signal  
Blue +Sense  
Brown -Sense

### Warranty:

One-year limited

# VPG Tedea-Huntleigh Model 9010 Application Definition Form

Customer's Name: \_\_\_\_\_ Number of Units: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Date: \_\_\_\_\_

Application: \_\_\_\_\_

Tare Weight (Dead Load), kg: \_\_\_\_\_

Useful Weight (Live Load), kg: \_\_\_\_\_

If Checkweigher:

Size of conveyor platform (cm × cm): Length (movement direction) \_\_\_\_\_ Width \_\_\_\_\_

Size of weighed product in movement direction (cm): \_\_\_\_\_

Speed of belt (cm/sec): \_\_\_\_\_

Tare weight distribution: Conveyor (kg) \_\_\_\_\_

Motor (kg) \_\_\_\_\_

Position of motor (see sketch, cm): D \_\_\_\_\_ F \_\_\_\_\_

If not checkweigher (see sketch):

Estimated tare C.G. position (cm): D \_\_\_\_\_ F \_\_\_\_\_

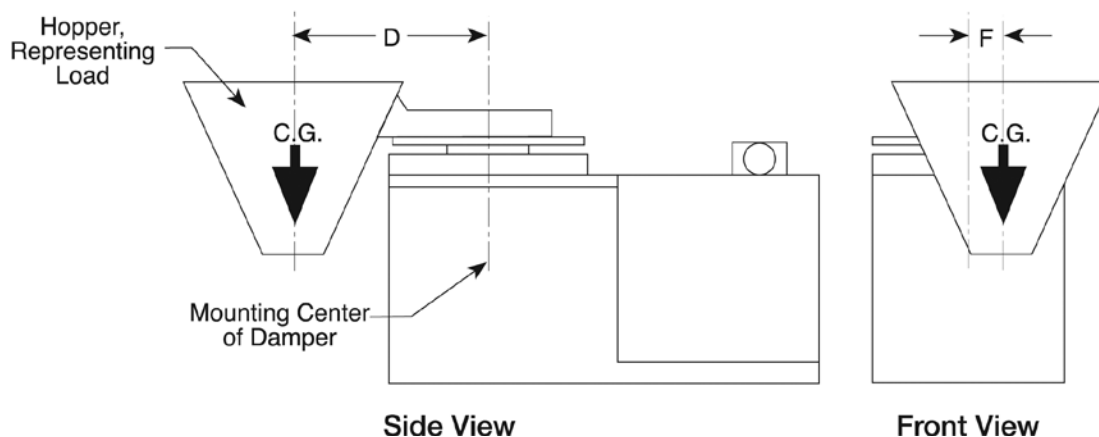
Loading position (cm): D \_\_\_\_\_ F \_\_\_\_\_ Drop height (cm) \_\_\_\_\_

If C.G. of load varies, max. distance between extreme position (cm): \_\_\_\_\_

Describe live load (powder, fruit, screws, etc.): \_\_\_\_\_

Settling time (milliseconds): \_\_\_\_\_

Accuracy required: \_\_\_\_\_ Operating temperature range (°C): \_\_\_\_\_



*Return completed form to your sales representative.*

For factory use; do not write in space below.

Serial Numbers: \_\_\_\_\_ Sales Order #: \_\_\_\_\_

Delivery Quoted: \_\_\_\_\_ Date: \_\_\_\_\_

# Hardware and Accessories

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The following product names, logos, brands and other trademarks featured or referred to within this publication are the property of their respective trademark holders.

# Load Cell Mounting Hardware Safety Guidelines

Install only load cell mounting hardware and assemblies that have been specifically designed for use in tank, hopper or hanging scale applications. Often, the use of an inferior-grade product results in component failure which risks equipment damage and personal injury. These simple suggestions are provided to help minimize your exposure to vessel scale installation hazards.

## 1. Estimating Gross Load

To select the correct load cell or load cell hardware for a given application, it is necessary to know the total weight on the scale—including the net weight of product, the tare weight of the vessel and the weight of the platform, tank or hopper, as appropriate.

## 2. Safe Load

Do not exceed the safe load figures listed in Rice Lake Weighing Systems' catalog for any load cell hardware. Where shock loads are present, it may be necessary to derate these safe load figures depending on the severity of the shock load.

## 3. Load Distribution

In multiple-load-cell applications, the weight must be evenly distributed between all cells.

## 4. Threaded Connections

Check that all threads of a threaded connection are in engagement. For example, an eye bolt screwed into an s-type load cell should protrude slightly on the opposite side.

## 5. Jam Nuts

All threaded connections must be locked with jam nuts to prevent inadvertent disassembly. If a load is suspended from a single load cell, it is critical that the load cannot rotate as this may loosen the jam nut.

## 6. Wire Rope Assemblies

With wire rope assemblies, do not twist the rope during assembly or disassembly. For example, do not remove a frozen nut from one end of a rope assembly by holding the opposite end.

## 7. Attachment Points of a Load Cell Hardware Assembly

The attachment points of a load cell hardware assembly must be aligned properly and the assembly should be essentially vertical.

## 8. Swaying in a Suspended Vessel Scale

If there is excessive swaying in a suspended vessel scale, apply horizontal checking to reduce the amplitude.

## 9. Safety Backup

If failure of one or more load cell hardware assemblies could cause injury or damage, a safety backup (safety chains, safety rods, etc.) must be used. The assemblies should be inspected routinely for damage, excessive wear or corrosion and replaced if necessary.

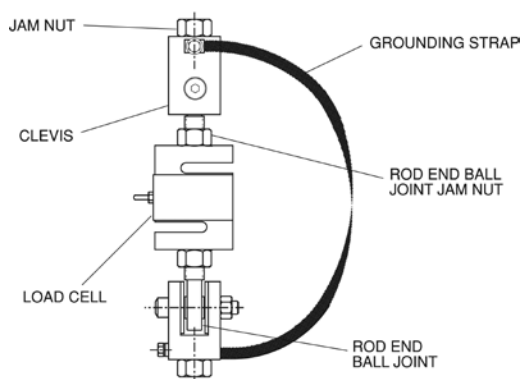
## 10. Hopper Scales: Guarding Against Contamination

With hopper scales, guard against contamination of the product being weighed in case of failure of the load cell or hardware assembly. For example, do not locate a wire rope assembly over a hopper scale where broken strands of wire could fall into the weighing vessel, contaminating the product being weighed.

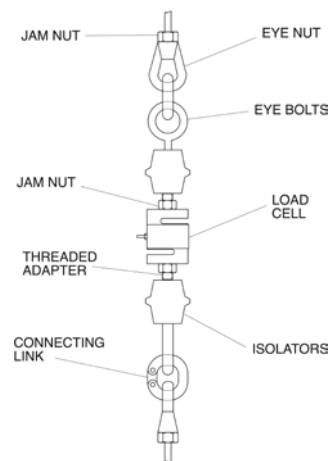
## 11. Selecting Steel Rod or Any Other Weight-Bearing Components

Select steel rod or any other weight-bearing components so the minimum tensile strength is at least four times the total weight carried by that component. Note that threaded rod is generally made from a low tensile-strength mild steel which should be checked for tensile strength before use in any suspended vessel scale.

# Mounting Assembly Component Identification



ITCM Isolated Tension Cell Mounting Assembly



Conventional Tension Mounting Assembly

Our popular Isolated Tension Cell Mounting (ITCM) assembly and other conventional suspended weighing system assemblies employ a variety of serviceable hardware components. Rice Lake Weighing Systems offers a comprehensive selection of these items for all of your suspended vessel service needs. These drawings are designed to enable you to quickly identify and differentiate components from both of these common designs. All corresponding replacement hardware is located on the following pages.

## Jam Nuts



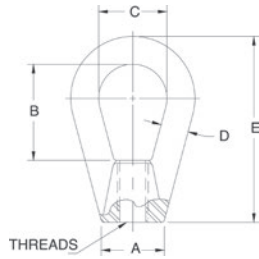
### Standard Features

- Mild steel/stainless steel
- Coarse or fine thread
- Zinc-plated mild steel or stainless steel

| Thread Size                      | Part # | Price  |
|----------------------------------|--------|--------|
| <b>Mild Steel, Fine Thread</b>   |        |        |
| 1/4-28 UNF                       | 14639  | \$1.00 |
| 3/8-24 UNF                       | 14651  | \$1.00 |
| 1/2-20 UNF                       | 14664  | \$1.60 |
| 3/4-16 UNF                       | 14687  | \$1.60 |
| 1-12 UNF                         | 14702  | \$5.99 |
| 1-14 UNF                         | 14703  | \$4.90 |
| 1 1/4-12 UNF                     | 14708  | \$3.60 |
| 1 1/2-12 UNF                     | 14711  | \$4.90 |
| <b>Mild Steel, Coarse Thread</b> |        |        |
| 1/4-20 UNC                       | 14636  | \$1.00 |
| 3/8-16 UNC                       | 14649  | \$2.25 |
| 1/2-13 UNC                       | 14661  | \$1.00 |
| 5/8-11 UNC                       | 14676  | \$2.25 |
| 3/4-10 UNC                       | 14686  | \$1.06 |
| 1-8 UNC                          | 14701  | \$1.20 |
| 1-1/4-7 UNC                      | 14707  | \$3.30 |

| Thread Size                           | Part # | Price  |
|---------------------------------------|--------|--------|
| <b>Stainless Steel, Fine Thread</b>   |        |        |
| 1/4-28 UNF                            | 14640  | \$1.30 |
| 1/2-20 UNF                            | 14665  | \$1.80 |
| 3/4-16 UNF                            | 14688  | \$2.30 |
| <b>Stainless Steel, Coarse Thread</b> |        |        |
| 3/8-16 UNC                            | 14653  | \$2.10 |
| 1/2-13 UNC                            | 14662  | \$1.85 |
| 5/8-11 UNC                            | 14680  | \$2.10 |
| 3/4-10 UNC                            | 14690  | \$2.25 |

## Eye Nuts



### Standard Features

- Drop-forged steel, tapped NC right-hand threads

### Part Number/Price

| Part # | A       | B       | C       | D       | E       | Thread Size | Safe Load* | Price   |
|--------|---------|---------|---------|---------|---------|-------------|------------|---------|
| 17772  | 0.50 in | 1.06 in | 0.75 in | 0.25 in | 1.68 in | 1/4-20 UNC  | 500 lb     | \$48.00 |
| 17773  | 0.75 in | 1.18 in | 0.87 in | 0.31 in | 2.25 in | 3/8-16 UNC  | 1,800 lb   | \$32.00 |
| 17774  | 1.00 in | 1.56 in | 1.12 in | 0.43 in | 3.00 in | 1/2-13 UNC  | 3,600 lb   | \$48.00 |
| 17775  | 1.25 in | 1.93 in | 1.37 in | 0.56 in | 3.75 in | 5/8-11 UNC  | 5,800 lb   | \$53.00 |

\*Do not exceed the safe load

## Coupling Nuts



### Standard Features

- Heavy hex

### Part Number/Price

| Part # | Thread Size | Length  | Flat    | Safe Load* | Price   |
|--------|-------------|---------|---------|------------|---------|
| 14638  | 1/4-20 UNC  | 1.75 in | 0.44 in | 500 lb     | \$7.50  |
| 14650  | 3/8-16 UNC  | 1.75 in | 0.62 in | 1,500 lb   | \$7.40  |
| 14663  | 1/2-13 UNC  | 1.75 in | 0.87 in | 3,000 lb   | \$7.40  |
| 14681  | 5/8-11 UNC  | 2.12 in | 1.06 in | 7,500 lb   | \$10.50 |
| 14691  | 3/4-10 UNC  | 2.25 in | 1.25 in | 10,000 lb  | \$11.50 |

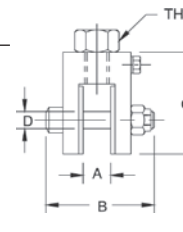
\*Do not exceed the safe load

## Clevis Mount Assemblies

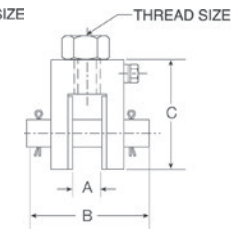


### Standard Features

- Mild steel
- Assembly used in the ITCM
- Adapts rod to rod-end ball joint
- Provides electrical isolation for load cell protection
- Elimination of unwanted side loads
- Optional stainless steel provides enhanced corrosion resistance



Clevis Mount with bolt



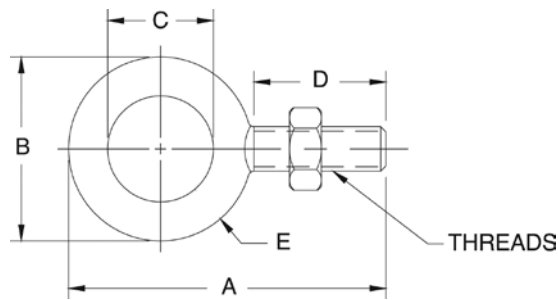
Clevis Mount with pin

### Part Number/Price

| Part #                          | A       | B       | C       | D       | Thread Size | Safe Load* | Price    |
|---------------------------------|---------|---------|---------|---------|-------------|------------|----------|
| <b>Mild Steel with Bolt</b>     |         |         |         |         |             |            |          |
| 17792                           | 0.52 in | 2.38 in | 1.94 in | 0.38 in | 3/8-16 UNC  | 300 lb     | \$87.00  |
| 17793                           | 0.52 in | 2.38 in | 1.94 in | 0.38 in | 1/2-13 UNC  | 300 lb     | \$87.00  |
| 17783                           | 0.39 in | 1.81 in | 1.69 in | 0.25 in | 1/2-13 UNC  | 500 lb     | \$99.00  |
| 17784                           | 0.65 in | 2.68 in | 2.31 in | 0.50 in | 3/4-10 UNC  | 4,000 lb   | \$99.00  |
| 17785                           | 0.78 in | 3.37 in | 3.00 in | 0.62 in | 1-8 UNC     | 10,000 lb  | \$99.00  |
| 17786                           | 0.39 in | 1.81 in | 1.69 in | 0.25 in | 3/8-16 UNC  | 500 lb     | \$94.00  |
| 17787                           | 0.65 in | 2.68 in | 2.31 in | 0.50 in | 1/2-13 UNC  | 2,000 lb   | \$99.00  |
| 17788                           | 0.65 in | 2.68 in | 2.31 in | 0.50 in | 5/8-11 UNC  | 2,500 lb   | \$99.00  |
| 17789                           | 0.78 in | 3.37 in | 3.00 in | 0.62 in | 3/4-10 UNC  | 5,000 lb   | \$99.00  |
| <b>Mild Steel with Pin</b>      |         |         |         |         |             |            |          |
| 17790                           | 1.39 in | 4.12 in | 4.50 in | 1.00 in | 1 1/4-7 UNC | 15,000 lb  | \$367.00 |
| 17791                           | 1.22 in | 4.12 in | 5.00 in | 1.25 in | 1 1/2-6 UNC | 20,000 lb  | \$367.00 |
| <b>Stainless Steel with Pin</b> |         |         |         |         |             |            |          |
| 33644                           | 0.52 in | 2.38 in | 1.94 in | 0.38 in | 1/2-13 UNC  | 300 lb     | \$192.00 |
| 33643                           | 0.39 in | 1.81 in | 1.69 in | 0.25 in | 1/2-13 UNC  | 500 lb     | \$192.00 |
| 33641                           | 0.39 in | 1.81 in | 1.69 in | 0.25 in | 3/8-16 UNC  | 500 lb     | \$192.00 |
| 33658                           | 0.52 in | 2.38 in | 1.94 in | 0.38 in | 3/8-16 UNC  | 500 lb     | \$192.00 |
| 33642                           | 0.65 in | 2.68 in | 2.31 in | 0.50 in | 3/4-10 UNC  | 4,000 lb   | \$250.00 |
| 33640                           | 0.65 in | 2.68 in | 2.31 in | 0.50 in | 1/2-13 UNC  | 2,000 lb   | \$250.00 |
| 33639                           | 0.65 in | 2.68 in | 2.31 in | 0.50 in | 5/8-11 UNC  | 2,500 lb   | \$250.00 |
| 33638                           | 0.78 in | 3.37 in | 3.00 in | 0.62 in | 3/4-10 UNC  | 5,000 lb   | \$250.00 |

\*Do not exceed the safe load

# Load Cell Eye Bolts



## Standard Features

- Mild steel
- One jam nut included with each eye bolt

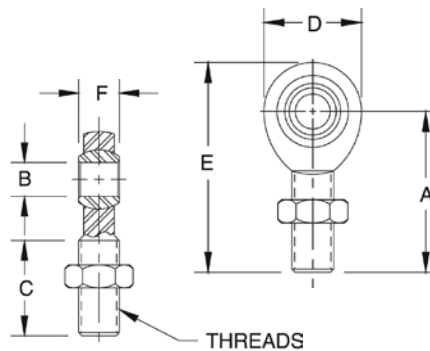
## Part Number/Price

| Part #            | A       | B       | C       | D       | E       | Thread Size | Safe Load* | Price    |
|-------------------|---------|---------|---------|---------|---------|-------------|------------|----------|
| <b>Mild Steel</b> |         |         |         |         |         |             |            |          |
| <b>17705</b>      | 2.25 in | 1.25 in | 0.75 in | 1.00 in | 0.25 in | 1/4-28 UNF  | 500 lb     | \$26.50  |
| <b>17707</b>      | 2.91 in | 1.66 in | 1.00 in | 1.25 in | 0.33 in | 3/8-24 UNF  | 1,300 lb   | \$26.50  |
| <b>17709</b>      | 3.56 in | 2.06 in | 1.19 in | 1.50 in | 0.44 in | 1/2-20 UNF  | 2,400 lb   | \$28.50  |
| <b>17711</b>      | 4.25 in | 2.50 in | 1.37 in | 1.75 in | 0.56 in | 5/8-18 UNF  | 4,000 lb   | \$34.00  |
| <b>17713</b>      | 4.81 in | 2.81 in | 1.50 in | 2.00 in | 0.66 in | 3/4-16 UNF  | 5,000 lb   | \$74.00  |
| <b>17715</b>      | 6.06 in | 3.56 in | 1.81 in | 2.50 in | 0.87 in | 1-12 UNF    | 9,000 lb   | \$117.00 |
| <b>17716</b>      | 6.06 in | 3.56 in | 1.81 in | 2.50 in | 0.87 in | 1-14 UNS    | 9,000 lb   | \$117.00 |
| <b>17704</b>      | 2.25 in | 1.25 in | 0.75 in | 1.00 in | 0.25 in | 1/4-20 UNC  | 500 lb     | \$23.00  |
| <b>17706</b>      | 2.91 in | 1.66 in | 1.00 in | 1.25 in | 0.33 in | 3/8-16 UNC  | 1,300 lb   | \$25.00  |
| <b>17708</b>      | 3.56 in | 2.06 in | 1.19 in | 1.50 in | 0.44 in | 1/2-13 UNC  | 2,400 lb   | \$25.00  |
| <b>17710</b>      | 4.25 in | 2.50 in | 1.37 in | 1.75 in | 0.56 in | 5/8-11 UNC  | 4,000 lb   | \$38.00  |
| <b>17712</b>      | 4.81 in | 2.81 in | 1.50 in | 2.00 in | 0.66 in | 3/4-10 UNC  | 5,000 lb   | \$58.00  |
| <b>17714</b>      | 6.06 in | 3.56 in | 1.81 in | 2.50 in | 0.87 in | 1-8 UNC     | 9,000 lb   | \$59.00  |
| <b>17717</b>      | 7.44 in | 4.44 in | 2.19 in | 3.00 in | 1.12 in | 1 1/4-7 UNC | 15,000 lb  | \$169.00 |

\*Do not exceed the safe load



# Rod End Ball Joints



## Standard Features

- Used in the ITCM assembly
- One jam nut included with each rod end ball joint
- Optional stainless steel provides enhanced corrosion resistance for hostile environments

## Part Number/Price

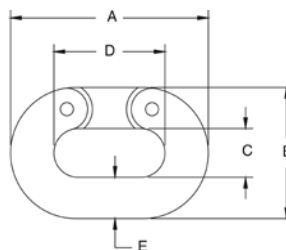
| Part #                 | Safe Load* | Breaking Strength | PTFE Lined | Price    |
|------------------------|------------|-------------------|------------|----------|
| <b>Mild Steel</b>      |            |                   |            |          |
| 17746                  | 975 lb     | 3,915 lb          | YES        | \$34.00  |
| 17734                  | 1,200 lb   | 4,916 lb          | NO         | \$24.00  |
| 17736                  | 4,000 lb   | 16,238 lb         | NO         | \$60.00  |
| 17738                  | 7,000 lb   | 28,081 lb         | NO         | \$103.00 |
| 17735                  | 2,000 lb   | 8,075 lb          | NO         | \$29.00  |
| 17737                  | 3,250 lb   | 13,831 lb         | NO         | \$42.00  |
| 17739                  | 500 lb     | 2,158 lb          | YES        | \$34.00  |
| 17740                  | 4,000 lb   | 16,238 lb         | YES        | \$55.00  |
| 17741                  | 10,000 lb  | 40,572 lb         | YES        | \$82.00  |
| 17742                  | 10,500 lb  | 43,541 lb         | NO         | \$154.00 |
| 26007                  | 15,000 lb  | 76,200 lb         | YES        | \$318.00 |
| 17747                  | 19,000 lb  | 76,200 lb         | YES        | \$366.00 |
| 17743                  | 20,000 lb  | 79,728 lb         | NO         | \$276.00 |
| 17744                  | 24,000 lb  | 96,510 lb         | NO         | \$382.00 |
| <b>Stainless Steel</b> |            |                   |            |          |
| 33505                  | 500 lb     | 2,158 lb          | YES        | \$148.00 |
| 33506                  | 1,500 lb   | 7,362 lb          | YES        | \$148.00 |
| 33507                  | 3,000 lb   | 16,238 lb         | YES        | \$159.00 |
| 33508                  | 7,000 lb   | 40,572 lb         | YES        | \$366.00 |

\*Do not exceed the safe load

## Dimensions

| Part #                 | A       | B       | C       | D       | E       | F       | Thread Size  |
|------------------------|---------|---------|---------|---------|---------|---------|--------------|
| <b>Mild Steel</b>      |         |         |         |         |         |         |              |
| 17746                  | 1.94 in | 0.37 in | 1.25 in | 1.00 in | 2.43 in | 0.50 in | 3/8-24 UNF   |
| 17734                  | 1.94 in | 0.37 in | 1.25 in | 1.00 in | 2.43 in | 0.50 in | 3/8-24 UNF   |
| 17736                  | 2.44 in | 0.50 in | 1.50 in | 1.31 in | 3.09 in | 0.62 in | 1/2-20 UNF   |
| 17738                  | 2.87 in | 0.75 in | 1.75 in | 1.75 in | 3.75 in | 0.87 in | 3/4-16 UNF   |
| 17735                  | 2.44 in | 0.50 in | 1.50 in | 1.31 in | 3.09 in | 0.62 in | 1/2-20 UNF   |
| 17737                  | 2.87 in | 0.75 in | 1.75 in | 1.75 in | 3.75 in | 0.87 in | 3/4-16 UNF   |
| 17739                  | 1.56 in | 0.25 in | 1.00 in | 0.75 in | 1.93 in | 0.37 in | 1/4-28 UNF   |
| 17740                  | 2.44 in | 0.50 in | 1.50 in | 1.31 in | 3.09 in | 0.62 in | 1/2-20 UNF   |
| 17741                  | 2.87 in | 0.62 in | 1.75 in | 1.75 in | 3.75 in | 0.75 in | 3/4-16 UNF   |
| 17742                  | 4.12 in | 1.00 in | 2.12 in | 2.75 in | 5.50 in | 1.37 in | 1-12 UNF     |
| 26007                  | 4.12 in | 1.00 in | 2.12 in | 2.75 in | 5.50 in | 1.37 in | 1-14 UNS     |
| 17747                  | 4.12 in | 1.00 in | 2.12 in | 2.75 in | 5.50 in | 1.37 in | 1-12 UNF     |
| 17743                  | 4.12 in | 1.25 in | 2.12 in | 2.75 in | 5.50 in | 1.09 in | 1 1/4-12 UNF |
| 17744                  | 5.37 in | 1.50 in | 3.00 in | 3.50 in | 7.12 in | 1.31 in | 1 1/2-12 UNF |
| <b>Stainless Steel</b> |         |         |         |         |         |         |              |
| 33506                  | 1.94 in | 0.37 in | 1.25 in | 1.00 in | 2.43 in | 0.50 in | 3/8-24 UNF   |
| 33505                  | 1.56 in | 0.25 in | 1.00 in | 0.75 in | 1.93 in | 0.37 in | 1/4-28 UNF   |
| 33507                  | 2.44 in | 0.50 in | 1.50 in | 1.31 in | 3.09 in | 0.62 in | 1/2-20 UNF   |
| 33508                  | 2.87 in | 0.62 in | 1.75 in | 1.75 in | 3.75 in | 0.75 in | 3/4-16 UNF   |

# Connecting Links



## Standard Features

- Drop-forged carbon steel, heat-treated, hot-dipped galvanized finish

## Part Number/Price

| Part # | A       | B       | C       | D       | E       | Safe Load* | Price    |
|--------|---------|---------|---------|---------|---------|------------|----------|
| 17794  | 1.50 in | 1.00 in | 0.43 in | 0.87 in | 0.25 in | 1,325 lb   | \$42.00  |
| 17795  | 2.06 in | 1.37 in | 0.56 in | 1.12 in | 0.37 in | 2,750 lb   | \$45.00  |
| 17796  | 2.65 in | 1.71 in | 0.65 in | 1.46 in | 0.50 in | 4,750 lb   | \$45.00  |
| 17797  | 3.31 in | 2.09 in | 0.78 in | 1.81 in | 0.62 in | 7,250 lb   | \$55.00  |
| 17798  | 3.87 in | 2.50 in | 0.93 in | 2.12 in | 0.75 in | 10,250 lb  | \$74.00  |
| 17799  | 5.00 in | 3.31 in | 1.25 in | 2.75 in | 1.00 in | 15,500 lb  | \$127.00 |

\*Do not exceed the safe load

# Load Cell Isolators



## Standard Features

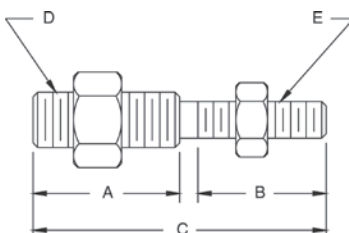
- Power surges such as those caused by welding or electrical shorts frequently damage load cells and indicators. To prevent such damage, these isolators electrically separate the mechanical assembly from its tension-type load cell.

## Part Number/Price

| Part # | Height Thread Size      | Diameter | Safe Load* | Price    |
|--------|-------------------------|----------|------------|----------|
| 17722  | 3/8-16 UNC              | 2.50 in  | 600 lb     | \$48.00  |
| 17724  | 1/2-13 UNC              | 2.50 in  | 600 lb     | \$53.00  |
| 17726  | 1/2-20 UNF              | 2.50 in  | 600 lb     | \$90.00  |
| 17725  | 1/2-13 UNC              | 2.00 in  | 3,000 lb   | \$127.00 |
| 17723  | 3/8-24 UNF              | 2.50 in  | 600 lb     | \$95.00  |
| 17728  | 1/2-13 UNC × 1/2-20 UNF | 2.50 in  | 600 lb     | \$69.00  |
| 17732  | 1/4-20 UNC              | 1.12 in  | 250 lb     | \$53.00  |

\*Do not exceed the safe load

# Threaded Adapters



## Standard Features

- For coupling isolators with load cells and steelyard rods
- Supplied with jam nuts
- Now in stronger, more durable stainless steel

## Part Number/Price

| Part # | A       | B       | C       | D          | E          | Safe Load* | Price   |
|--------|---------|---------|---------|------------|------------|------------|---------|
| 33561  | -       | -       | 2.00 in | 1/4-28 UNF | 1/4-28 UNF | 300 lb     | \$29.00 |
| 33562  | 0.94 in | 0.94 in | 2.00 in | 1/4-28 UNF | 1/4-20 UNC | 300 lb     | \$32.00 |
| 33563  | 0.92 in | 1.02 in | 2.06 in | 1/4-28 UNF | 3/8-24 UNF | 300 lb     | \$37.00 |
| 33564  | 0.94 in | 0.94 in | 2.00 in | 1/4-28 UNF | 3/8-16 UNC | 300 lb     | \$29.00 |
| 33565  | 1.06 in | 1.06 in | 2.25 in | 1/4-20 UNC | 3/8-16 UNC | 300 lb     | \$32.00 |
| 33567  | 1.06 in | 1.06 in | 2.25 in | 1/4-28 UNF | 1/2-13 UNC | 300 lb     | \$32.00 |
| 33568  | -       | -       | 2.00 in | 3/8-24 UNF | 3/8-24 UNF | 500 lb     | \$42.00 |
| 33569  | 0.91 in | 0.91 in | 2.00 in | 3/8-16 UNC | 3/8-24 UNF | 500 lb     | \$36.00 |
| 33570  | 1.06 in | 1.06 in | 2.25 in | 3/8-24 UNF | 1/2-13 UNC | 500 lb     | \$32.00 |
| 33571  | 1.31 in | 1.31 in | 2.75 in | 1/2-13 UNC | 5/8-11 UNC | 3,000 lb   | \$32.00 |
| 33572  | 0.87 in | 0.87 in | 2.00 in | 1/2-13 UNC | 1/2-20 UNF | 3,000 lb   | \$36.00 |
| 33573  | -       | -       | 2.06 in | 1/2-20 UNF | 1/2-20 UNF | 3,000 lb   | \$36.00 |
| 33574  | 1.31 in | 1.31 in | 2.75 in | 1/2-20 UNF | 5/8-11 UNC | 3,000 lb   | \$38.00 |
| 33575  | 1.31 in | 1.31 in | 3.00 in | 3/4-16 UNF | 3/4-10 UNC | 7,000 lb   | \$40.00 |

\*Do not exceed the safe load

HARDWARE AND  
ACCESSORIES

# ITCM Hardware Kits



Mount only - does not include load cell

The ITCM Isolated Tension Cell Mount is a mounting assembly designed for tension mounting S-beam load cells in suspended hopper assemblies and mechanical scale conversions. The ITCM incorporates clevis and unique rod end ball joint assemblies, reducing the overall length to less than half of traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated from stray currents, a major cause of load cell failure. To complete the design, a grounding strap connects the two clevis assemblies to further ensure load cell safety.

## Standard Features

- Provides greater safety than traditional/ suspension configurations
- Complete package for ease of installation
- Built-in electrical isolation without having to use isolators (not available on 20,000 lb version)
- Provides correct load cell loading even in difficult installations
- Dramatically reduces overall length
- Capacities from 100 to 20,000 lb
- Clevis mounts with nylon insulating washers
- PTFE-lined rod end ball joints (not available on 20,000 lb version)
- Completely isolates load cell from stray currents
- Grounding strap for electrical continuity
- Zinc plated clevis
- Mount only: does not include load cell

## Applications

- Suspended hoppers
- Mechanical scale conversions
- Replaces traditional eye bolt, isolator configurations

## Part Number/Price

| Part #          | Load Rating          | Clevis Thread | Rod End Thread | Safe Load* | Price      |
|-----------------|----------------------|---------------|----------------|------------|------------|
| Mild Steel      |                      |               |                |            |            |
| 17968           | 300 lb               | 3/8-16        | 3/8-24         | 300 lb     | \$236.00   |
| 17969           | 300 lb               | 1/2-13        | 3/8-24         | 300 lb     | \$236.00   |
| 17894           | 500 lb               | 3/8-16        | 1/4-28         | 500 lb     | \$236.00   |
| 17895           | 500 lb               | 1/2-13        | 1/4-28         | 500 lb     | \$236.00   |
| 17896           | 2,000 lb             | 1/2-13        | 1/2-20         | 2,000 lb   | \$285.00   |
| 17897           | 2,500 lb             | 5/8-11        | 1/2-20         | 2,500 lb   | \$285.00   |
| 17898           | 4,000 lb             | 3/4-10        | 1/2-20         | 4,000 lb   | \$285.00   |
| 17899           | 5,000 lb             | 3/4-10        | 3/4-16         | 5,000 lb   | \$325.00   |
| 17900           | 10,000 lb            | 1-8           | 3/4-16         | 10,000 lb  | \$325.00   |
| 17958           | 15,000 lb (RL20000I) | 1 1/4-7       | 1-12           | 15,000 lb  | \$1,284.00 |
| 63166           | 15,000 lb (RL20001)  | 1 1/4-7       | 1-14           | 15,000 lb  | \$1,229.00 |
| 17959           | 20,000 lb**          | 1 1/2-6       | 1 1/4-12       | 20,000 lb  | \$1,134.00 |
| Stainless Steel |                      |               |                |            |            |
| 33630           | 500 lb               | 3/8-16        | 3/8-24         | 500 lb     | \$643.00   |
| 33631           | 300 lb               | 1/2-13        | 3/8-24         | 300 lb     | \$643.00   |
| 33632           | 500 lb               | 3/8-16        | 1/4-28         | 500 lb     | \$643.00   |
| 33633           | 500 lb               | 1/2-13        | 1/4-28         | 500 lb     | \$643.00   |
| 33634           | 2,000 lb             | 1/2-13        | 1/2-20         | 2,000 lb   | \$774.00   |
| 33635           | 2,500 lb             | 5/8-11        | 1/2-20         | 2,500 lb   | \$774.00   |
| 33636           | 3,000 lb             | 3/4-10        | 1/2-20         | 3,000 lb   | \$774.00   |
| 33637           | 5,000 lb             | 3/4-10        | 3/4-16         | 5,000 lb   | \$1,124.00 |

\* Do not exceed the safe load    \*\*Not electrically isolated  
Note: Replacement parts for mounts can be found in the Replacement Parts Catalog.

# Grounding Strap



### Standard Features

- Used in the ITCM assembly
- Tinned copper braid
- Crimped sleeve on ends with 0.25 in hole
- Available in 12 in, 14 in, 16 in, 24 in or 32 in lengths

### Part Number/Price

| Part # | Length | Price   |
|--------|--------|---------|
| 17778  | 12 in  | \$22.00 |
| 17779  | 14 in  | \$22.00 |
| 17780  | 16 in  | \$22.00 |
| 17781  | 24 in  | \$22.00 |
| 17782  | 32 in  | \$30.00 |

# Ball Bearings



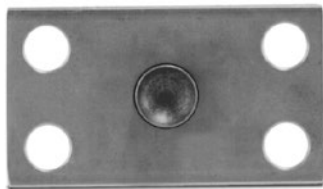
### Standard Features

- Use with load cup and load receiver to build a custom scale
- 52100 chrome alloy steel

### Part Number/Price

| Part # | Drawing Dimensions                         | Price   |
|--------|--|---------|
| 18815  | 5/8 in diameter crush strength 32,000 lb   | \$16.00 |
| 18816  | 7/8 in diameter crush strength 59,000 lb   | \$18.00 |
| 65841  | 1.25 in diameter crush strength 100,000 lb | \$37.00 |

# Load Receiver Plate

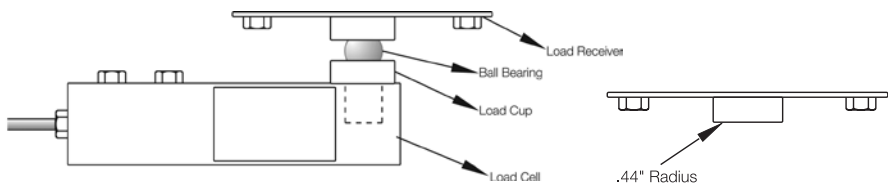
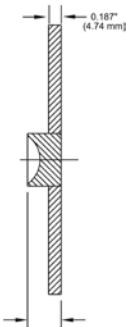
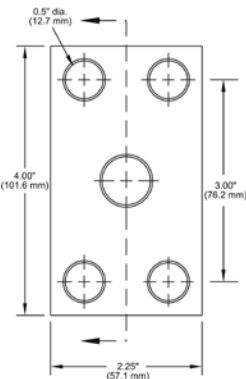


### Standard Features

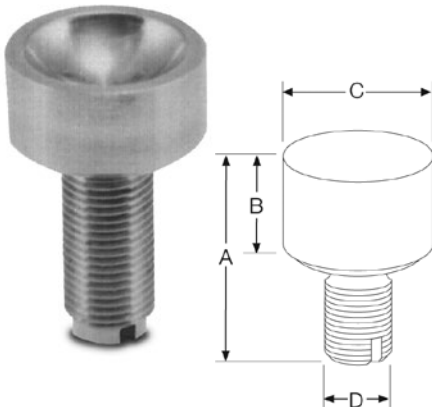
- Design offers accurate point loading
- Self-centering effect built in
- Ease of manufacture for custom applications
- Use with load cup and ball bearings to build a custom scale
- Ball and cup load introduction provides point loading for maximum accuracy
- Stainless steel construction

### Part Number/Price

| Part # | Description         | Price   |
|--------|---------------------|---------|
| 18832  | Load receiver plate | \$58.00 |



# Load Cups



### Standard Features

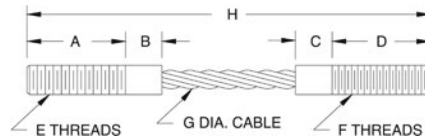
- Ball and cup load introduction provides point loading for maximum accuracy
- For use with most popular single-ended beam load cells
- Constructed of 440C

### Part Number/Price

| Part # | A  | B       | C       | D          | Price    |
|--------|--|---------|---------|------------|----------|
| 31911  | 1.70 in  | 0.54 in | 1.07 in | 1/2-20 UNF | \$58.00  |
| 212364 | 1.70 in  | 0.54 in | 1.07 in | M8         | \$70.00  |
| 33654  | 1.12 in  | 0.54 in | 0.78 in | 1/2-20 UNF | \$47.00  |
| 33653  | 1.50 in  | 0.80 in | 1.12 in | 3/4-16 UNF | \$48.00  |
| 33652  | 2.00 in  | 0.85 in | 1.75 in | 1-12 UNF   | \$114.00 |
| 33651  | 2.85 in  | 0.85 in | 1.75 in | 1-12 UNF   | \$160.00 |
| 33650  | 2.85 in  | 0.85 in | 1.75 in | 1-14 UNF   | \$160.00 |
| 33647  | 2.75 in  | 0.50 in | 0.75 in | 1/2-20 UNF | \$57.00  |
| 72364  | 1.78 in  | 0.53 in | 0.78 in | 1/2-20 UNF | \$69.00  |
| 69431  | Replacement cup for Cardinal® SCA-50,000 load cell |         |         |            | \$143.00 |

# Wire Rope Assemblies

Note: Wire ropes should not be exposed to shock loads, chemicals or twisting. Chains or rods should be used as a safety backup in case of catastrophic failure.



## Standard Features

### Wire Rope Assemblies

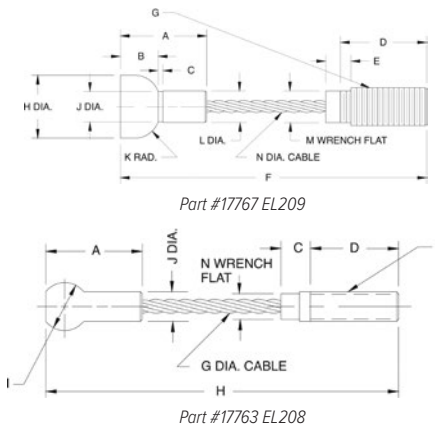
- Wire rope assemblies provide better alignment and greatly increase load cell repeatability. In addition, they act as natural vibration dampeners.

## Part Number/Price

| Part #    | A       | B & C   | D       | E             | F             | G        | H       | Safe Load* | Price    |
|-----------|---------|---------|---------|---------------|---------------|----------|---------|------------|----------|
| 17760     | 0.87 in | 0.50 in | 0.87 in | 1/4-20 UNC-2A | 1/4-28 UNF-2A | 0.12 in  | 4.00 in | 400 lb     | \$58.00  |
| 17762     | 1.25 in | 0.50 in | 1.25 in | 3/8-16 UNC-2A | 3/8-24 UNF-2A | 0.18 in  | 5.00 in | 850 lb     | \$64.00  |
| 17766     | 1.62 in | 0.50 in | 1.62 in | 1/2-13 UNC-2A | 1/2-20 UNF-2A | 0.25 in  | 6.50 in | 1,400 lb   | \$66.00  |
| 17765     | 1.62 in | 0.50 in | 1.62 in | 1/2-13 UNC-2A | 1/2-20 UNF-2A | 0.25 in  | 5.50 in | 1,400 lb   | \$79.00  |
| 17764     | 1.00 in | -       | 1.37 in | 1/2-20 UNF-2A | 1/2-20 UNF-2A | 0.25 in  | 4.00 in | 1,400 lb   | \$95.00  |
| 17768     | 2.00 in | -       | 2.50 in | 3/8-24 UNF-2A | 3/8-24 UNF-2A | 0.12 in  | 5.50 in | 400 lb     | \$143.00 |
| 17769**   | 1.25 in | -       | 0.75 in | 1/4-28 UNF-2A | 1/4-28 UNF-2A | 0.12 in  | 3.00 in | 400 lb     | \$159.00 |
| 17771**   | 1.25 in | -       | 0.75 in | 1/2-20 UNF-2A | 1/2-20 UNF-2A | 0.25 in  | 3.00 in | 1,400 lb   | \$69.00  |
| 115292*** | 1.25 in | -       | 0.75 in | 1/4-28 UNF-2A | 1/4-28 UNF-2A | 0.12 in  | 3.00 in | 300 lb     | \$111.00 |
| 33084**** | 1.31 in | -       | 1.00 in | 1/2-20 UNF    | 1/2-20 UNF    | 0.125 in | 3.62 in | 850 lb     | \$87.00  |

\*Do not exceed the safe load \*\*Used with Rice Lake Weighing Systems flexure bases \*\*\*Stainless steel \*\*\*\*Used with Rice Lake Weighing Systems FXB flexure bases

# Cardinal® Wire Rope Assemblies



## Standard Features

### Cardinal Wire Rope Assemblies

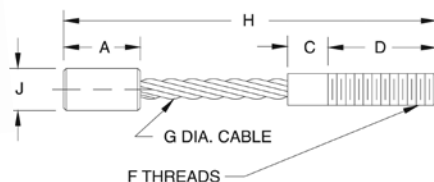
- EL208 Cardinal wire rope assembly:  
Used on 7,500 lb capacity FH model and 8,000 lb capacity EP model
- EL209 Cardinal wire rope assembly:  
Used on 20,000 lb capacity FH and EP models. May also be used on 15,000 lb capacity FH and EP models

## Part Number/Price

| Part # | A       | B       | C       | D       | E       | F          | G             | H       | I       | J       | K       | L & M    | N        | Safe Load* | Price    |
|--------|---------|---------|---------|---------|---------|------------|---------------|---------|---------|---------|---------|----------|----------|------------|----------|
| 17763  | 1.50 in | -       | 0.50 in | 1.50 in | -       | 1/2-13 UNC | 0.25 in       | 6.00 in | 0.81 in | 0.43 in | -       | -        | 0.43 in  | 1,400 lb   | \$126.50 |
| 17767  | 1.71 in | 0.75 in | 0.09 in | 2.00 in | 0.43 in | 6.31 in    | 3/4-10 UNC-2A | 1.25 in | -       | 0.60 in | 0.50 in | 0.625 in | 0.375 in | 2,880 lb   | \$247.50 |

\*Do not exceed the safe load

# Custom Wire Ropes



## Standard Features

### Custom Wire Ropes

- Custom wire ropes are available for your specific applications
- When ordering, please complete Custom Wire Rope Definition form, a sample if possible, the required tension rating and total capacity
- Wire ropes should not be exposed to shock loads, chemicals or twisting. Chains or rods should be used as safety backup in case of catastrophic failure.

# Custom Wire Rope Definition Form

Customer's Name: \_\_\_\_\_

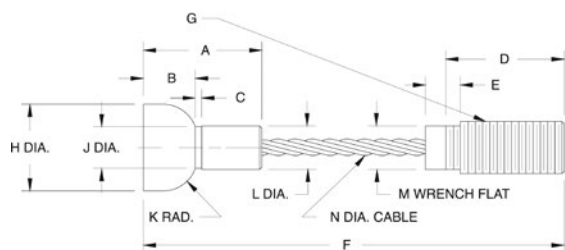
Contact Person: \_\_\_\_\_

Date: \_\_\_\_\_

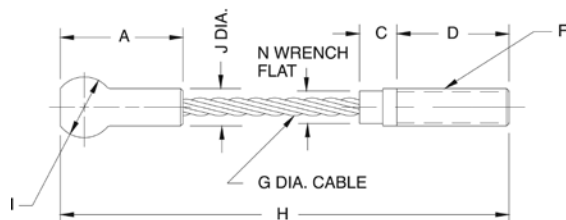
Application: \_\_\_\_\_

| Wire Rope* (Enter Dimensions to Form) |                  |                    |
|---------------------------------------|------------------|--------------------|
| A Thread length                       | F Threads        | K Safe load        |
| B Shank length                        | G Rope diameter  | L Environment      |
| C Shank length                        | H Overall length | M Application      |
| D Thread length                       | I Ball diameter  | N Style            |
| E Threads                             | J Shank diameter | O Desired Material |

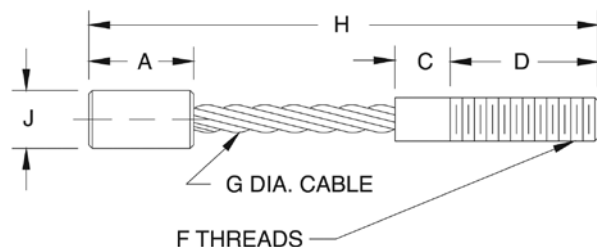
\*Use drawings below for reference



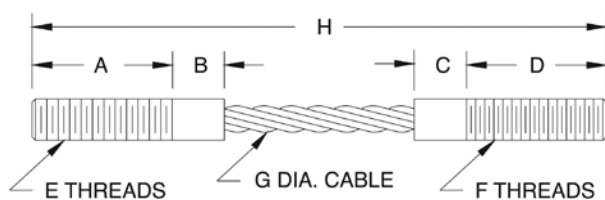
Style A



Style B



Style C



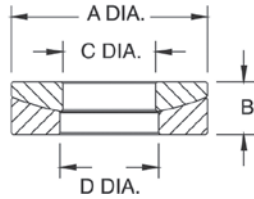
Style D



Style E



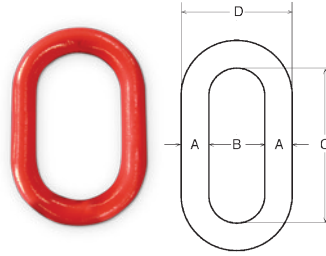
## Spherical Washer Sets



### Part Number/Price

| Part #                 | Bolt Size | A       | B       | C       | D       | Price    |
|------------------------|-----------|---------|---------|---------|---------|----------|
| <b>Mild Steel</b>      |           |         |         |         |         |          |
| 15196                  | 0.25 in   | 0.62 in | 0.20 in | 0.28 in | 0.31 in | \$16.00  |
| 15197                  | 0.38 in   | 0.88 in | 0.25 in | 0.41 in | 0.44 in | \$19.00  |
| 15198                  | 0.50 in   | 1.12 in | 0.31 in | 0.53 in | 0.56 in | \$8.50   |
| 15199                  | 0.62 in   | 1.38 in | 0.31 in | 0.66 in | 0.69 in | \$20.00  |
| 15200                  | 0.75 in   | 1.62 in | 0.38 in | 0.78 in | 0.81 in | \$25.00  |
| 15201                  | 1.00 in   | 2.00 in | 0.50 in | 1.06 in | 1.12 in | \$39.00  |
| 15202                  | 1.25 in   | 2.62 in | 0.50 in | 1.31 in | 1.38 in | \$72.00  |
| 15203                  | 1.50 in   | 2.88 in | 0.53 in | 1.56 in | 1.62 in | \$79.00  |
| 15205                  | 2.00 in   | 3.88 in | 0.81 in | 2.06 in | 2.12 in | \$127.00 |
| <b>Stainless Steel</b> |           |         |         |         |         |          |
| 33218                  | 0.50 in   | 1.12 in | 0.31 in | 0.53 in | 0.56 in | \$27.00  |
| 33220                  | 0.75 in   | 1.62 in | 0.38 in | 0.78 in | 0.81 in | \$38.00  |

## Weldless End Links



### Standard Features

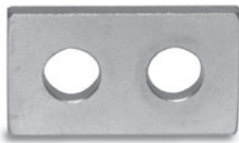
- Self-colored or hot-dip galvanized
- Forged carbon steel quenched and tempered

### Part Number/Price

| Part # | A        | B       | C       | D       | Safe Load* | Price    |
|--------|----------|---------|---------|---------|------------|----------|
| F312L  | 0.625 in | 1.00 in | 3.25 in | 2.32 in | 9,300 lb   | \$58.00  |
| 17810  | 0.875 in | 2.00 in | 5.13 in | 3.75 in | 12,000 lb  | \$175.00 |
| 21911  | 1.00 in  | 2.25 in | 5.75 in | 4.25 in | 15,200 lb  | \$344.00 |
| 65430  | 1.25 in  | 2.50 in | 7.00 in | 5.00 in | 26,400 lb  | \$159.00 |
| 21912  | 1.375 in | 2.75 in | 7.75 in | 5.50 in | 30,000 lb  | \$488.00 |

\*Do not exceed the safe load

## Load Cell Spacers

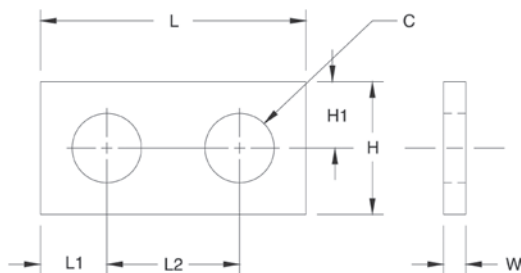


### Standard Features

- Use with most popular single-ended beams
- Provides flat mounting surface required for optimal load cell performance
- Zinc-plated mild steel or stainless steel

### Part Number/Price

| Part #                 | C       | H       | H1      | L       | L1      | L2      | W       | Price   |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Mild Steel</b>      |         |         |         |         |         |         |         |         |
| 17754                  | 0.53 in | 1.25 in | 0.62 in | 2.25 in | 0.62 in | 1.00 in | 0.25 in | \$29.00 |
| 17755                  | 0.78 in | 1.50 in | 0.75 in | 3.00 in | 0.75 in | 1.50 in | 0.25 in | \$29.00 |
| 17756                  | 1.03 in | 2.00 in | 1.00 in | 4.00 in | 1.00 in | 2.00 in | 0.25 in | \$30.00 |
| 18260                  | 0.53 in | 1.25 in | 0.62 in | 2.25 in | 0.62 in | 1.00 in | 0.37 in | \$31.00 |
| <b>Stainless Steel</b> |         |         |         |         |         |         |         |         |
| 17757                  | 0.78 in | 1.50 in | 0.75 in | 3.00 in | 0.75 in | 1.50 in | 0.25 in | \$37.00 |
| 18383                  | 0.53 in | 1.25 in | 0.62 in | 2.25 in | 0.62 in | 1.00 in | 0.37 in | \$32.00 |
| 18411                  | 0.53 in | 1.25 in | 0.62 in | 2.25 in | 0.62 in | 1.00 in | 0.25 in | \$33.00 |



## Load Button



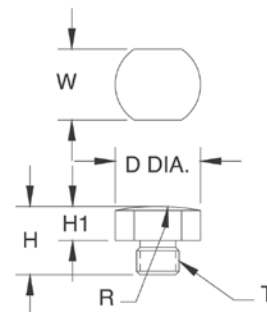
### Standard Features

#### Load Button

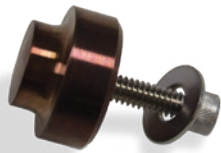
- Suitable for use with compression mounting assemblies, canisters, s-beams and single-ended beams
- Hardened alloy steel

### Part Number/Price

| Part # | T          | D       | H       | H1      | R       | W       | Price   |
|--------|------------|---------|---------|---------|---------|---------|---------|
| 17750  | 3/8-24 UNF | 0.75 in | 0.60 in | 0.30 in | 2.00 in | 0.63 in | \$37.00 |
| 17751  | 1/2-20 UNF | 0.75 in | 0.70 in | 0.30 in | 4.00 in | 0.63 in | \$32.00 |
| 17752  | 3/4-16 UNF | 1.50 in | 0.90 in | 0.30 in | 6.00 in | 1.25 in | \$50.00 |







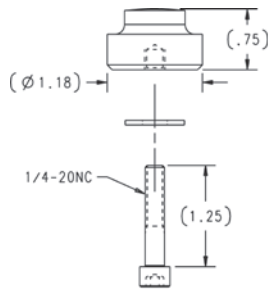
## Standard Features

### Load Button Insert Kit

- To be used with RLSSB and VPG Revere SSB load cells (1,000 to 5,000 lb)
- Hardened alloy steel

## Part Number/Price

| Part # | Description            | Price   |
|--------|------------------------|---------|
| 26112  | Load button insert kit | \$37.00 |



## Standard Features

- Replacement foot, adapts to most floor scales
- Use with single-ended beams to provide large, flat, adjustable introduction surface
- Special neoprene rubber sandwich base gives high accuracy, linearity and repeatability

## Part Number/Price

| Part # | Material        | Thread Size   | Base Ht. | Total Ht. | Diameter | Price    |
|--------|-----------------|---------------|----------|-----------|----------|----------|
| 18756  | Stainless steel | 1/2-20 UNF    | 0.75 in  | 2.62 in   | 3.47 in  | \$50.00  |
| 39021  | Mild steel      | 3/4-16 UNF-2B | 0.875 in | 3.25 in   | 4.40 in  | \$93.00  |
| 39022  | Mild steel      | 3/4-16 UNF-2B | 0.875 in | 4.06 in   | 5.40 in  | \$135.00 |
| 110930 | Mild steel      | 1-14 UNF      | 1.00 in  | 4.06 in   | 5.40 in  | \$235.00 |
| 42130  | Stainless steel | M12           | -        | 2.62 in   | 3.47 in  | \$103.00 |

# Flintec™ Adjustable Rubber Foot



SLB, SB4, SB5, SB14 and SB6



BK2

## Standard Features

- Blind hole introduction
- Low profile
- Height adjustable by rotation
- Includes spacer
- Stainless steel

## Part Number/Price

| Part #                                     | Foot Diameter | Load Cell Capacity | Price   |
|--|---------------|--------------------|---------|
| <b>Flintec SLB, SB4, SB5, SB14 and SB6</b> |               |                    |         |
| 46230                                      | 2.36 in       | 200 to 500 lb      | \$65.00 |
| 77561                                      | 3.14 in       | 1,000 to 5,000 lb  | \$65.00 |
| <b>Flintec BK2</b>                         |               |                    |         |
| 87096                                      | 3.140 in      | 200 to 2,000 kg    | \$65.00 |

# Bench Scale Feet



107476



19141



35128

## Standard Features

- Rubber pad
- 1/4-20 UNC threads
- Stainless steel
- 3/8-16 UNC thread

## Part Number/Price

| Part #                 | Description       | Price   |
|------------------------|-------------------|---------|
| <b>Rubber Pad</b>      |                   |         |
| 35128                  | Bench scale feet  | \$14.00 |
| 107476                 | CW 90/CW 90X feet | \$21.00 |
| <b>Stainless Steel</b> |                   |         |
| 19141                  | Bench scale feet  | \$8.00  |

# Polyurethane Rubber Leveling Feet



## Standard Features

- 3 in overall height, all diameters
- Stainless steel stem for corrosion resistance
- Heavy-duty construction, low-cost replacement feet
- Four standard diameters all with 1/2-20 UNF stainless steel stud, slotted for top-access applications
- Zinc-plated carbon steel jam nut provided
- Top of stud is machined undersize 10% for easy alignment into load cell

## Part Number/Price

| Part # | Foot Diameter | Height  | Price   |
|--------|---------------|---------|---------|
| 74585  | 1.87 in       | 3.00 in | \$32.00 |
| 74586  | 2.00 in       | 3.00 in | \$32.00 |
| 74587  | 2.50 in       | 3.00 in | \$32.00 |
| 73801  | 3.00 in       | 3.00 in | \$32.00 |

# Captured Ball Floor Scale Leveling Feet



Carbon

Stainless Steel

## Standard Features

### Carbon steel

- Bright zinc and clear chromate plating for corrosion resistance
- Active ball suspension provides ideal load cell loading with maximum side load protection
- Hardened alloy steel with plated finish
- Includes two jam nuts, one for wrench access
- Top of stud is machined undersized 10 percent for easy alignment into load cell plus slotted for top-access applications

### Stainless steel

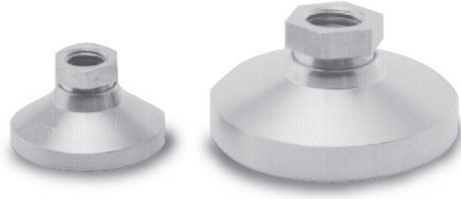
- Provides outstanding accuracy, repeatability and performance
- Active ball suspension provides optimal load cell performance
- Hardened stainless steel material, welded with polished finish
- Includes two stainless steel jam nuts, one for wrench access
- Top of stud is machined undersized 10% for easy alignment into load cell plus slotted for top-access applications

## Part Number/Price

| Part #          | Foot Diameter | Thread Size Inches | Height  | Price    |
|-----------------|---------------|--------------------|---------|----------|
| Carbon Steel    |               |                    |         |          |
| 74578           | 1.87 in       | 1/2-20 UNF         | 3.5 in  | \$45.00  |
| 74579           | 2.00 in       | 1/2-20 UNF         | 3.5 in  | \$45.00  |
| 74580           | 2.50 in       | 1/2-20 UNF         | 3.5 in  | \$45.00  |
| 74581           | 3.00 in       | 1/2-20 UNF         | 3.5 in  | \$45.00  |
| 74582           | 3.00 in       | 3/4-16 UNF         | 4.5 in  | \$56.00  |
| 74583           | 3.00 in       | 1-12 UNF           | 4.5 in  | \$67.00  |
| 74584           | 3.00 in       | 1-14 UNF           | 4.5 in  | \$67.00  |
| 171449          | 3.00 in       | 1-14 UNF           | 5.0 in  | \$83.00  |
| 173018          | 4.40 in       | 3/4-16 UNF         | 3.13 in | \$96.00  |
| 174937          | 5.40 in       | 3/4-16 UNF         | 4.13 in | \$139.00 |
| Stainless Steel |               |                    |         |          |
| 74572           | 1.87 in       | 1/2-20 UNF         | 3.5 in  | \$80.00  |
| 74573           | 2.00 in       | 1/2-20 UNF         | 3.5 in  | \$80.00  |
| 73800           | 2.50 in       | 1/2-20 UNF         | 3.5 in  | \$80.00  |
| 74574           | 3.00 in       | 1/2-20 UNF         | 3.5 in  | \$80.00  |
| 74575           | 3.00 in       | 3/4-16 UNF         | 4.5 in  | \$113.00 |
| 74576           | 3.00 in       | 1-12 UNF           | 4.5 in  | \$136.00 |
| 74577           | 3.00 in       | 1-14 UNF           | 4.5 in  | \$136.00 |
| 92380*          | 2.50 in       | 1/2-20 UNF         | 3.5 in  | \$80.00  |
| 175615          | 3.47 in       | 1/2-20NF           | 2.62 in | \$108.00 |

\*Stem is fully threaded

# Leveling Pads



## Standard Features

- Replacement feet adapt to most floor scales
- Available in cadmium-plated steel or stainless steel
- Simple swivel design
- Use with single-ended shear beams or bending beams to provide a large, flat load introduction surface

## Part Number/Price

| Part #                 | Thread Size | Height  | Diameter | Price    |
|------------------------|-------------|---------|----------|----------|
| <b>Mild Steel</b>      |             |         |          |          |
| <b>18817</b>           | 1/2-13 NC   | 1.12 in | 1.87 in  | \$27.00  |
| <b>18820</b>           | 3/4-10 NC   | 1.50 in | 3.00 in  | \$47.00  |
| <b>Stainless Steel</b> |             |         |          |          |
| <b>18818</b>           | 1/2-13 NC   | 1.12 in | 1.87 in  | \$63.00  |
| <b>18833</b>           | 3/4-10 NC   | 1.50 in | 3.00 in  | \$109.00 |

Used in conjunction with leveling pad stems

# Leveling Mount



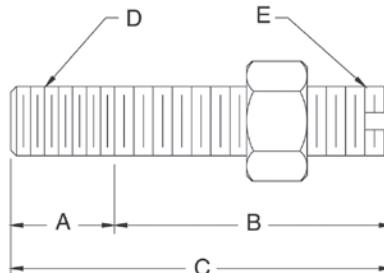
## Standard Features

- Designed for use with some floor scales or machinery platforms
- Can limit vibrations transmitted to the scale through the floor
- Provides vibration isolation on most portable platforms

## Part Number/Price

| Part #       | Thread Size | Height  | Diameter | Price    |
|--------------|-------------|---------|----------|----------|
| <b>18819</b> | 1/2-13 NC   | 1.81 in | 5.00 in  | \$106.00 |

# Leveling Pad Stems



## Standard Features

- For use with leveling pads
- One jam nut included

## Part Number/Price

| Part #                 | A       | B       | C       | D          | E          | Slot | Material        | Price   |
|------------------------|---------|---------|---------|------------|------------|------|-----------------|---------|
| <b>Mild Steel</b>      |         |         |         |            |            |      |                 |         |
| <b>17693</b>           | 0.75 in | 2.00 in | 2.75 in | 3/4-10 UNC | 3/4-16 UNF | No   | 1045            | \$17.00 |
| <b>Stainless Steel</b> |         |         |         |            |            |      |                 |         |
| <b>17689</b>           | 0.50 in | 1.50 in | 2.00 in | 1/2-13 UNC | 1/2-20 UNF | Yes  | Stainless steel | \$25.00 |
| <b>17695</b>           | 0.75 in | 2.00 in | 2.75 in | 3/4-10 UNC | 3/4-16 UNF | No   | Stainless steel | \$40.00 |

Warning: Do not use to suspend a load

# RoughDeck® Scale Base



## Part Number/Price

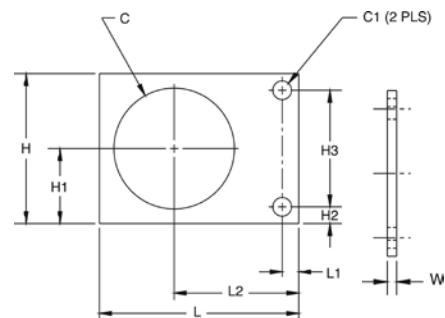
| Part # | Description                         | Price   |
|--------|-------------------------------------|---------|
| 19075  | Mild steel, 1,000 to 10,000 lb      | \$19.00 |
| 19076  | Stainless steel, 1,000 to 10,000 lb | \$24.00 |

## Dimensions

| Part # | C       | C1      | H       | H1      | H2      | H3      | L       | L1      | L2      | W       |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 19075  | 3.62 in | 0.56 in | 4.50 in | 2.25 in | 0.50 in | 3.50 in | 6.00 in | 0.50 in | 3.75 in | 0.25 in |
| 19076  | 3.62 in | 0.56 in | 4.50 in | 2.25 in | 0.50 in | 3.50 in | 6.00 in | 0.50 in | 3.75 in | 0.25 in |

## Standard Features

- Secures RoughDeck and other popular floor scales
- Prevents movement in horizontal plane
- Useful with SureFoot™ and other load cell foot assemblies
- Available in stainless steel and mild steel



# Summit® 3000 Scale Base



## Part Number/Price

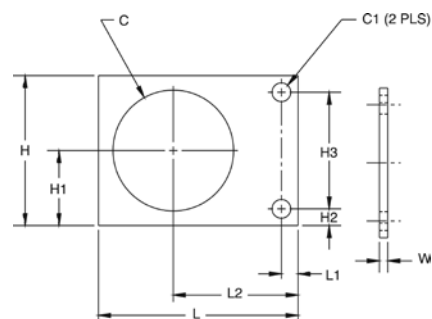
| Part # | Description                    | Price   |
|--------|--------------------------------|---------|
| 76149  | Mild steel, 2,000 to 10,000 lb | \$19.00 |

## Dimensions

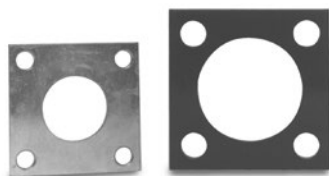
| Part # | C       | C1      | H       | H1      | H2      | H3      | L       | L1      | L2      | W       |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 76149  | 3.19 in | 0.56 in | 4.50 in | 2.25 in | 0.50 in | 3.50 in | 6.00 in | 0.50 in | 3.75 in | 0.25 in |

## Standard Features

- Mounting plate for Summit® 3000 floor scales



# Floor Scale Base



## Part Number/Price

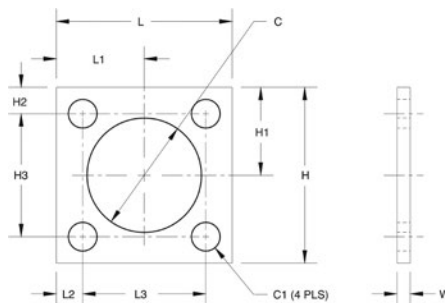
| Part # | Description                        | Price   |
|--------|------------------------------------|---------|
| 18737  | Mild steel, 1,000 to 10,000 lb     | \$9.00  |
| 18738  | Mild steel 10,000 to 20,000 lb     | \$10.00 |
| 18751  | Stainless steel 1,000 to 10,000 lb | \$34.00 |

## Dimensions

| Part # | C       | C1      | H       | H1      | H2      | H3      | L       | L1      | L2      | L3      |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 18737  | 2.00 in | 0.53 in | 4.00 in | 2.00 in | 0.50 in | 3.00 in | 4.00 in | 2.00 in | 0.50 in | 3.00 in |
| 18738  | 3.25 in | 0.81 in | 5.00 in | 2.50 in | 0.75 in | 3.50 in | 5.00 in | 2.50 in | 0.75 in | 3.50 in |
| 18751  | 2.00 in | 0.53 in | 4.00 in | 2.00 in | 0.50 in | 3.00 in | 4.00 in | 2.00 in | 0.50 in | 3.00 in |

## Standard Features

- Suitable for use with leveling pads
- Generic mounting plate for popular floor scales
- Fits most floor scale foot assemblies
- Available in stainless steel and mild steel (mild steel parts are zinc plated/painted)



# Complete Custom Cable Services



## Approvals



## Standard Features

- Special cable requirements
- Custom-built cable designed specifically for your application
- Choose from design elements and Rice Lake Weighing Systems will build a cable to your specifications
- Quick turnaround
- Competitively priced
- 5,000 ft minimum purchase

## Specifications

### Jacket Material:

PVC  
Polyurethane  
Double-jacketed

### Conductors:

Unlimited number  
Twisted pairs  
Color code  
Gauge

### Shielding:

Braided  
Foil

### Jacket Colors:

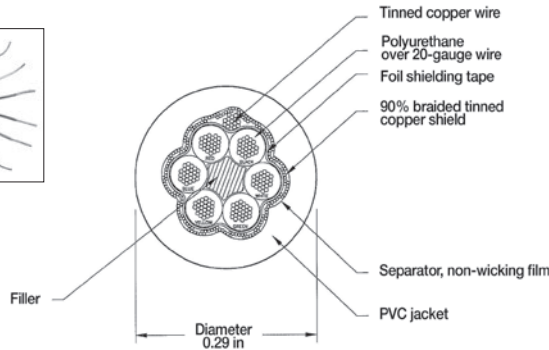
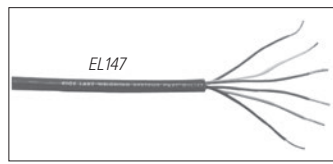
Black, brown, green, orange, red, blue, yellow, gray, natural

### Ink Colors:

Black, white, silver, orange  
Custom logos

# EL147, 6 Wire

Standard Load Cell Cable



Approvals



## Standard Features

### EL147 Standard Cable

- 20 AWG tinned copper wire stranded for flexibility
- Braided shielding is encased in red PVC
- All conductors are industry-standard color coded
- Diameter: 0.29 in
- The six-wire cable is best suited for longer runs where remote sense lines can be used
- Temperature rating:  
-22 °F to 126 °F (-30 °C to 80 °C)

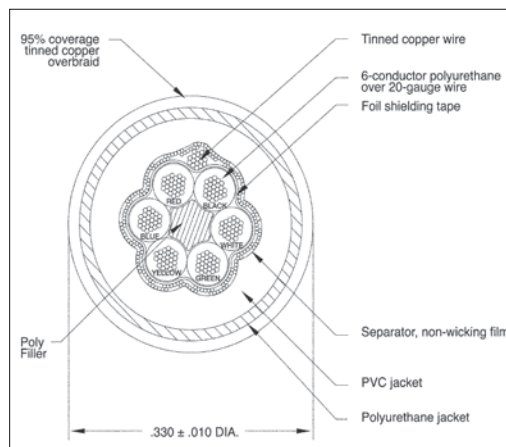
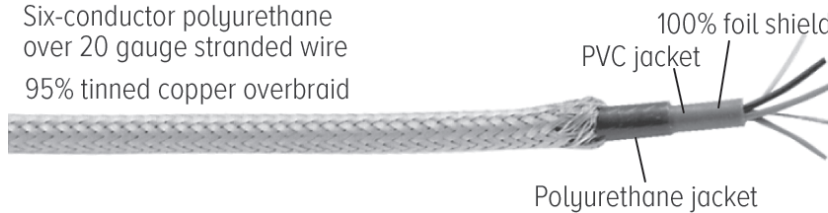
## Part Number/Price

| Part # | Continuous Roll | Description         | Price      |
|--------|-----------------|---------------------|------------|
| 15515  | 100 ft          | Six-conductor cable | \$228.00   |
| 15516  | 250 ft          | Six-conductor cable | \$503.00   |
| 15517  | 500 ft          | Six-conductor cable | \$938.00   |
| 15518  | 1,000 ft        | Six-conductor cable | \$1,828.00 |
| 15495  | Custom length   | Six-conductor cable | \$2.28/ft  |

# EL147RP Plus, 6 Wire

Rodent Protection Load Cell Cable

Six-conductor polyurethane  
over 20 gauge stranded wire  
95% tinned copper overbraid



## Standard Features

### EL147RP Rodent Protection Cable

- Tinned copper overbraid provides superior rodent and abrasion deterrent
- Enhanced EMI/RFI protection
- Six-conductor industry-standard color code
- Ideal for truck and railroad-track scales
- Diameter: 0.33 in
- Temperature rating  
-22 °F to 176 °F (-30 °C to 80 °C)
- Jacket coating enhanced with a chemical coating "NAW" that is distasteful to rodents

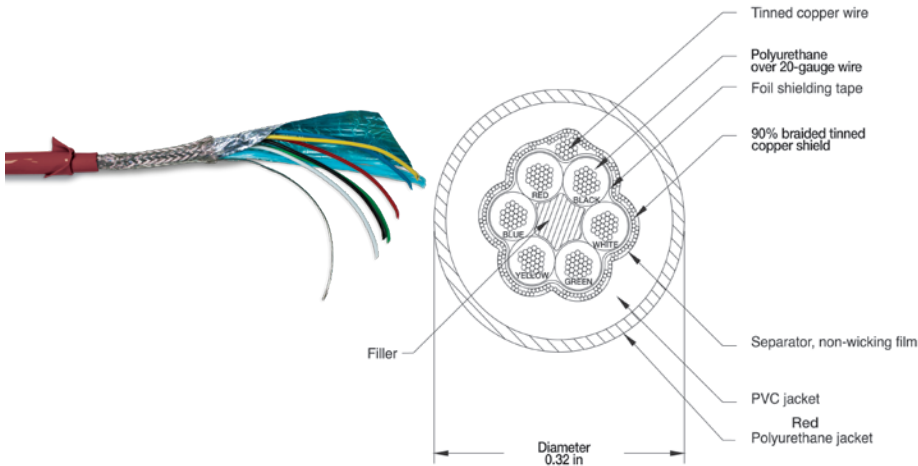
## Part Number/Price

| Part # | Continuous Roll | Description                             | Price      |
|--------|-----------------|---|------------|
| 31475  | Custom length   | Six-conductor hostile environment cable | \$4.00/ft  |
| 131964 | 100 ft          | Six-conductor hostile environment cable | \$397.00   |
| 131965 | 250 ft          | Six-conductor hostile environment cable | \$917.00   |
| 131966 | 500 ft          | Six-conductor hostile environment cable | \$1,818.00 |
| 131967 | 1,000 ft        | Six-conductor hostile environment cable | \$3,524.00 |



# EL147HE, 6 Wire

## Hostile Environment Load Cell Cable



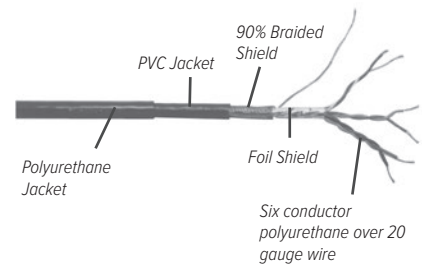
### Part Number/Price

| Part # | Continuous Roll | Description                             | Price      |
|--------|-----------------|---|------------|
| 15520  | 100ft           | Six-conductor hostile environment cable | \$265.00   |
| 15521  | 250ft           | Six-conductor hostile environment cable | \$636.00   |
| 15522  | 500ft           | Six-conductor hostile environment cable | \$1,182.00 |
| 15523  | 1,000ft         | Six-conductor hostile environment cable | \$2,050.00 |
| 15496  | Custom length   | Six-conductor hostile environment cable | \$2.80/ft  |

### Standard Features

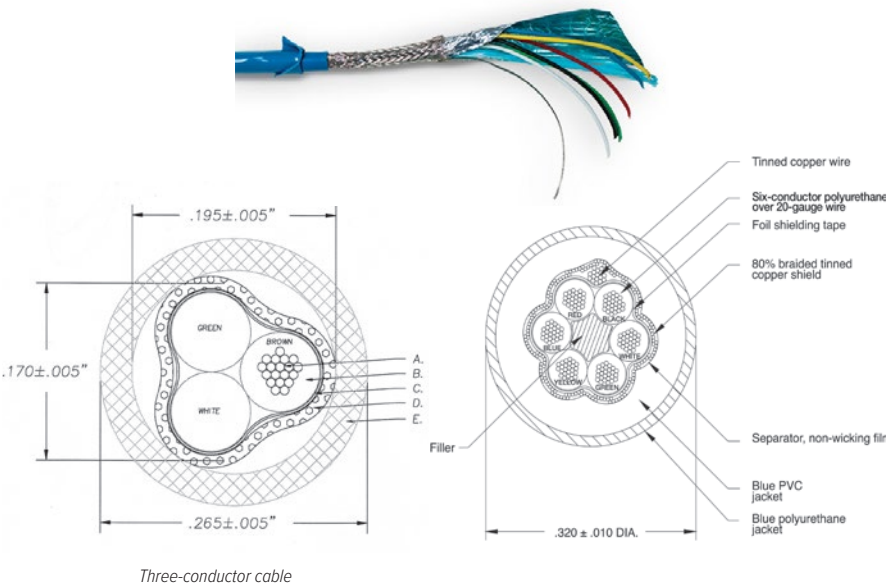
#### EL147HE Hostile Environment Cable

- Designed for use in hostile environments
- Polyurethane jacketing provides superior chemical and abrasion resistance
- RFI and EMI protected with foil overbraid shield
- Unmatched durability, yet extremely flexible
- All conductors are industry-standard color coded
- Diameter: 0.32 in
- Temperature rating: -22 °F to 176 °F (-30 °C to 80 °C)
- 500 V rating



# EL147IS, 6 Wire

## Hazardous Environment Blue Jacket Load Cell Cable



Three-conductor cable

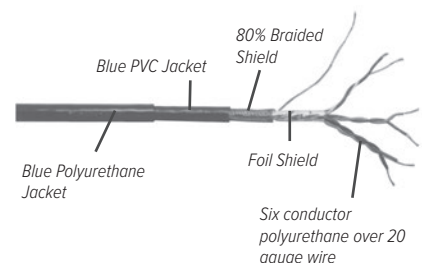
### Part Number/Price

| Part # | Description  | Price     |
|--------|--|-----------|
| 32817  | EL147IS, blue jacket six-conductor                           | \$3.34/ft |
| 72241  | Blue jacket, shielded three-conductor, UL and CSA recognized | \$2.95/ft |

### Standard Features

#### EL147IS Hazardous Environment Blue Jacket Cable

- Designed for intrinsically safe applications (must be wired according to Factory Mutual System-approved diagram)
- Polyurethane over PVC double jacketing provides superior chemical and abrasion resistance
- Both foil and braided wire shields for added RFI and EMI protection
- Six-conductor is industry-standard color coded (Also available three-conductor)
- Suited for longer runs where remote sense lines can be used
- Temperature rating: -22 °F to 176 °F (-30 °C to 80 °C)
- Diameter: 0.32 in

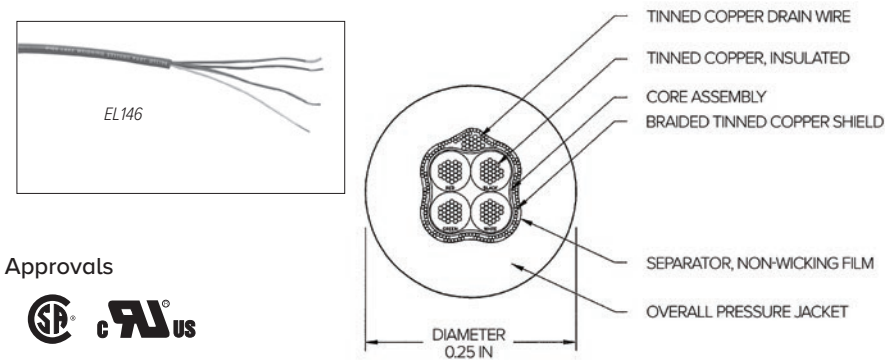


HARDWARE AND  
ACCESSORIES



# EL146, 4 Wire

Standard Load Cell Cable



Approvals



## Part Number/Price

| Part # | Continuous Roll | Description          | Price      |
|--------|-----------------|----------------------|------------|
| 15505  | 100 ft          | Four-conductor cable | \$143.00   |
| 15506  | 250 ft          | Four-conductor cable | \$334.00   |
| 15507  | 500 ft          | Four-conductor cable | \$652.00   |
| 15508  | 1,000 ft        | Four-conductor cable | \$1,075.00 |
| 15493  | Custom length   | Four-conductor cable | \$1.55/ft  |

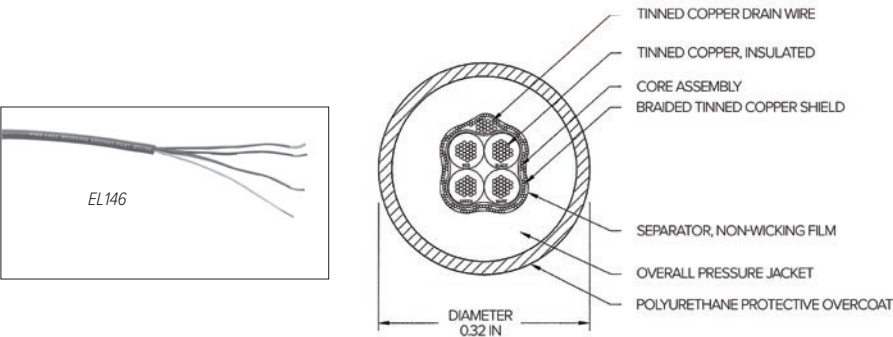
## Standard Features

### EL146 Standard Cable

- Four-wire load cell cable
- 20 AWG tinned copper wire stranded for flexibility
- Braided shielding is encased in red PVC
- All conductors are industry-standard color coded
- Diameter: 0.25 in
- Use the four-wire cable for repairing or extending existing cable
- Temperature rating:
  - 22 °F to 126 °F (-30 °C to 80 °C)

# EL146HE, 4 Wire

Hostile Environment Load Cell Cable



## Standard Features

### EL146HE Hostile Environment Cable

- Designed for use in hostile environments
- Polyurethane jacketing provides superior chemical and abrasion resistance
- RFI and EMI protected with foil overbraid shield
- Unmatched durability, yet extremely flexible
- All conductors are industry-standard color coded
- Diameter: 0.32 in
- Temperature rating:
  - 22 °F to 176 °F (-30 °C to 80 °C)
- 500 V rating

## Part Number/Price

| Part # | Continuous Roll | Description                              | Price      |
|--------|-----------------|--|------------|
| 15510  | 100 ft          | Four-conductor hostile environment cable | \$175.00   |
| 15511  | 250 ft          | Four-conductor hostile environment cable | \$424.00   |
| 15512  | 500 ft          | Four-conductor hostile environment cable | \$805.00   |
| 15513  | 1,000 ft        | Four-conductor hostile environment cable | \$1,606.00 |
| 15494  | Custom Length   | Four-conductor hostile environment cable | \$1.96/ft  |

# EL144 Communications Cable



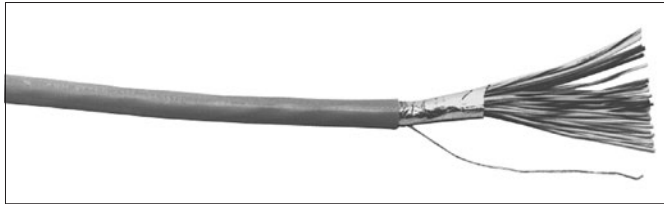
## Standard Features

- Two-conductor with bare ground
- RFI/EMI protected with foil shield
- 20 gauge conductors
- Perfect for RS-232, two-wire RS-485 and 20 mA current loop communications
- Diameter: 0.19 in
- Conductor colors are black and white

## Part Number/Price

| Part # | Description     | Price     |
|--------|-----------------|-----------|
| 32803  | EL144           | \$1.22/ft |
| 72691  | EL144, 100 ft   | \$90.00   |
| 72072  | EL144, 500 ft   | \$477.00  |
| 72693  | EL144, 1,000 ft | \$865.00  |

# BCD Cable



## Standard Features

- Sheathed in gray PVC
- Mylar aluminum foil shield with stranded tinned copper drain wire
- Diameter: 0.375 in

## Part Number/Price

| Part # | Description               | Price      |
|--------|---------------------------|------------|
| 15497  | BCD, 24 AWG, 30-conductor | \$29.00/ft |

# Fiber-Optic Cable



Color Code: Black-TXD, Blue-RXD

## Standard Features

- Duplex cable polyethylene black jacket material
- 4.4 + 0.10 mm outer diameter of duplex cable
- 2.2 + 0.007 mm single cable outer diameter
- Operating temperature: 32°F to 158°F (0°C to 70°C)

## Part Number/Price

| Part # | Description              | Price     |
|--------|--------------------------|-----------|
| 78910  | Custom length            | \$1.75/ft |
| 78026  | 100 ft cable             | \$175.00  |
| 78027  | 200 ft cable             | \$328.00  |
| 78028  | 300 ft cable             | \$425.00  |
| 83052* | Fiber-optic connector    | \$48.00   |
| 80892  | Fiber-optic cable cutter | \$12.00   |
| 85548  | Fiber-optic hot knife    | \$55.00   |

\*Duplex fiber cable requires two connectors

# SURVIVOR® EL620HE

High Temperature Cable



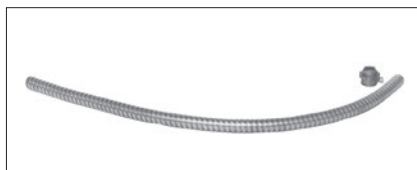
## Standard Features

- Multi-conductor overall foil and braid shield
- Suitable for temperatures from -40 °C (-40 °F) to 200 °C (392 °F)
- Insulation thickness: 0.010 in
- Jacket thickness: 0.017 in
- 18 gauge, tinned copper conductors
- Six-conductor
- FEP jacket, resistant to chemical corrosion and high temperature
- Aluminum-polyester shield with 85% tinned copper braid shield
- 150 V NEC 725 Class 2 classified for use in an air plenum non-conduit
- 0.24 in diameter cable

## Part Number/Price

| Part # | Description | Price      |
|--------|-------------|------------|
| 15605  | EL620HE     | \$13.00/ft |

# SURVIVOR® Cable Armor



## Standard Features

- Flexible all-metal protective armor
- Ideal for protecting load cell cable from mechanical abrasion or rodents
- Available in stainless steel and galvanized steel
- 0.5 in internal diameter, 2.0 in minimum bend radius
- Optional end fitting with 1/2 in male pipe thread

## Part Number/Price

| Part # | Description          | Price       |
|--------|----------------------|-------------|
| 17808  | Galvanized steel     | \$4.50/ft   |
| 17806  | Stainless steel      | \$5.50/ft   |
| 17807  | Optional end fitting | \$2.65 each |

# EL148HE Mettler Toledo®

Replacement Power Cell Cable



## Standard Features

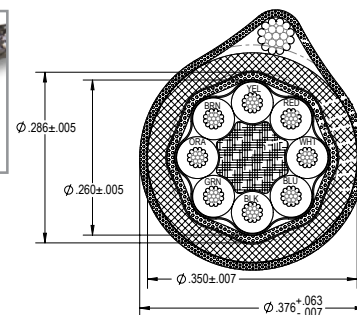
- 100% stainless steel military connector-electro deposited nickel plating with stainless banding and epoxy heat-shrink strain relief
- Stainless steel arctic ring precision cut for improved connection
- Textured rubber boot for additional grip
- Standard Mettler Toledo color code
- Compatible with Mettler Toledo Powercell CMOS/NMOS and MTX load cells. NOT compatible with Mettler Toledo PDX load cells.
- Custom lengths available

## Part Number/Price

| Part # | Cable Length Each | Price    |
|--------|-------------------|----------|
| 100268 | 8 ft              | \$387.00 |
| 101102 | 12 ft             | \$397.00 |
| 104164 | 15 ft             | \$380.00 |
| 100269 | 26 ft             | \$419.00 |
| 100270 | 35 ft             | \$440.00 |

# Mettler Toledo® Power Cell®

Homerun Cable



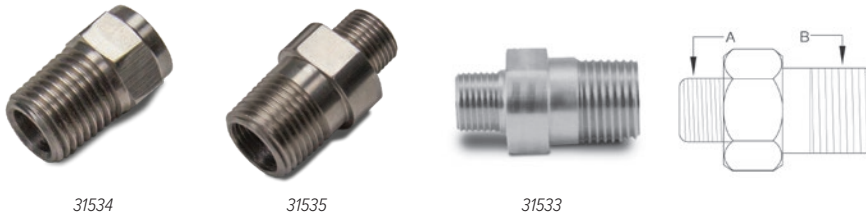
## Standard Features

- Galvanized steel drain wire
- 20 gauge 8 conductors
- Stainless steel braid shield

## Part Number/Price

| Part # | Description      | Price     |
|--------|------------------|-----------|
| 194837 | Galvanized steel | \$8.50/ft |

# Load Cell Conduit Adapters



## Standard Features

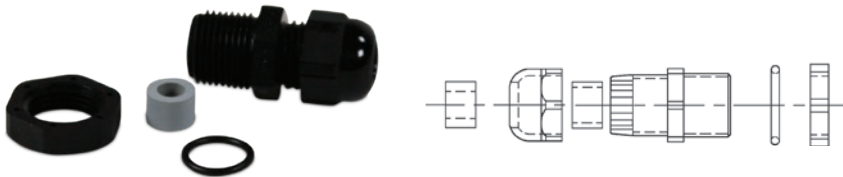
- Used to adapt conduit to load cells
- 303 stainless steel

## Part Number/Price

| Part #           | A          | B          | Price   |
|------------------|------------|------------|---------|
| <b>Thread-On</b> |            |            |         |
| <b>31533</b>     | 3/8-24 UNF | —          | \$37.00 |
| <b>31534</b>     | —          | 1/4-18 NPT | \$37.00 |
| <b>31535</b>     | 5/8-18 UNF | 1/2-14 NPT | \$37.00 |

Note: 31533 and 31534 are used together to form male-to-male adapter

# Cord Grip Assemblies



## Standard Features

- Assemblies include cord grip, locknut, O-ring seal, gray and black reducer glands
- Fittings are made of weather- and corrosion-resistant nylon

## Part Number/Price

| <b>Gland Cable Ranges</b> |         |                     |                   |                   |        |
|---------------------------|---------|---------------------|-------------------|-------------------|--------|
| Part #                    | Thread  | Panel Hole Diameter | Regular (Black)   | Reducer (Gray)    | Price  |
| <b>15669</b>              | PCN9    | 0.625 in            | 0.157 to 0.314 in | 0.118 to 0.236 in | \$5.25 |
| <b>15670</b>              | 3/8 NPT | 0.687 in            | 0.157 to 0.314 in | 0.118 to 0.236 in | \$4.75 |
| <b>15671</b>              | 1/2 NPT | 0.844 in            | 0.236 to 0.472 in | 0.200 to 0.354 in | \$5.50 |

# EL214 Cable Splicing Kit



## Standard Features

### EL214

- Designed for a complete, professional transducer cable splice
- Prevents moisture from entering the load cell through the cable connector
- Each kit contains a high-impact plastic splicing box, liquid-tight cable fittings, circuit card, PTFE sleeving, pre-measured potting compound and complete instructions
- Solder terminals

## Specifications

### Dimensions:

(L × W × H)  
3.00 × 1.00 × 1.50 in

### Mounting Centers:

2.50 in

### Number of Connections:

7

### Cable Diameter:

0.187 to 0.312 in

### Cure Time For Potting:

Epoxy-Polyamide resin cures in 2 hours at 73 °F (23 °C)

## Part Number/Price

| Part #       | Description | Price    |
|--------------|-------------|----------|
| <b>15485</b> | EL214       | \$143.00 |

## EL214T Cable Splicing Kit



### Standard Features

#### EL214T

- Designed to accommodate cables larger than the EL214; all other dimensions and performance features are the same
- Solder terminals

### Specifications

#### Dimensions:

(L × W × H)  
3.00 × 1.00 × 1.50 in

#### Mounting Centers:

2.50 in

#### Number of Connections:

7

#### Cable Diameter:

0.187 to 0.312 in

#### Cure Time For Potting:

Epoxy-Polyamide resin cures in 2 hours at 73 °F (23 °C)

### Part Number/Price

| Part # | Description | Price    |
|--------|-------------|----------|
| 15486  | EL214T      | \$154.00 |

## EL215 Cable Splicing Kit



### Standard Features

- Designed for use in weather-exposed or direct-burial locations
- Each kit contains plastic splicing tube, circuit board, insulating resin and instructions
- Solder terminals

### Specifications

#### Dimensions:

(L × W)  
6.00 × 1.38 in

#### Number of Connections:

7

#### Cable Diameter:

Up to 0.75 in

#### Cure Time For Potting:

2 hours at 70 °F (21 °C)

### Part Number/Price

| Part # | Description | Price    |
|--------|-------------|----------|
| 15612  | EL215       | \$116.00 |

## Flintec™ Load Cell Cable

Replacement Kits



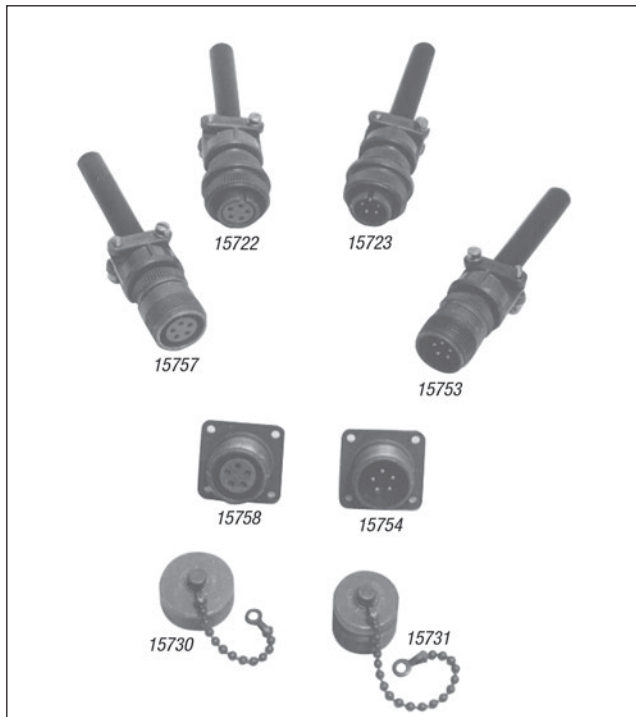
### Standard Features

- Each kit includes cable for four Flintec SB4 load cells as listed

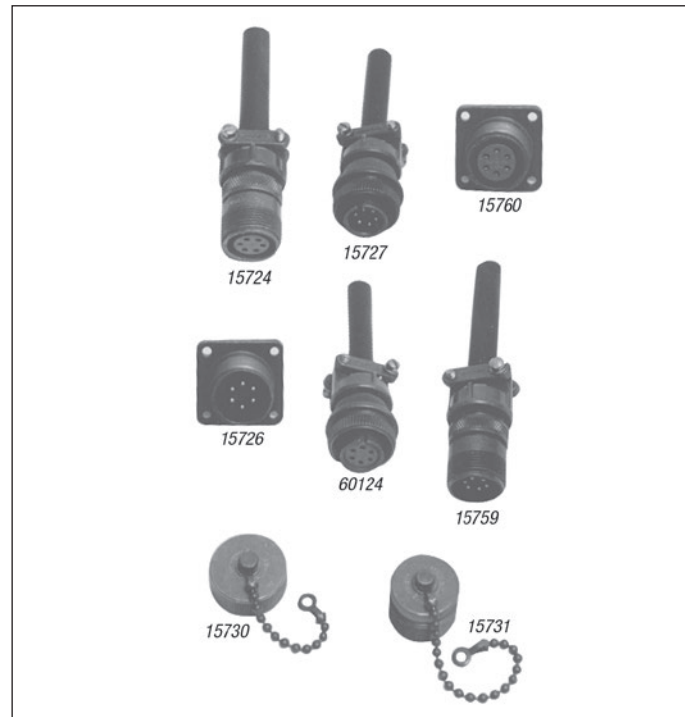
### Part Number/Price

| Part # | Description                  | Cable Length Ea. Feet | Price    |
|--------|------------------------------|-----------------------|----------|
| 18412  | For SB4, 225 to 5,200 lb     | 10 ft                 | \$370.00 |
| 18413  | For SB4, 11,250 to 22,500 lb | 15 ft                 | \$397.00 |

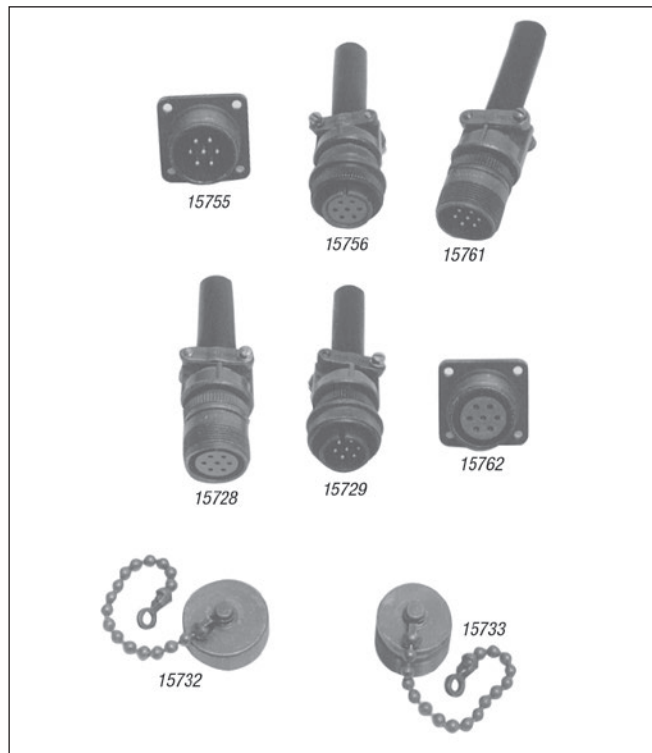
## Five-Position Connectors, Shell Plugs, Receptacles



## Six-Position Connectors, Shell Plugs, Receptacles



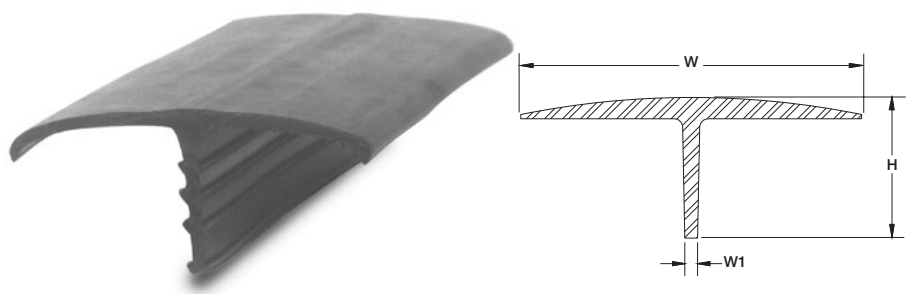
## Seven-Position Connectors, Shell Plugs, Receptacles



### Part Number/Price

| Part # | Description   | Price   |
|--------|---|---------|
| 15753  | Five-pin, external thread   | \$32.00 |
| 15722  | Five-socket, internal thread  | \$33.00 |
| 15723  | Five-pin, internal thread   | \$32.00 |
| 15757  | Five-socket, external thread  | \$37.00 |
| 15754  | Five-pin chassis mount, external thread   | \$37.00 |
| 15758  | Five-socket chassis mount, external thread  | \$23.00 |
| 15730  | Dust cap for ext. thread five-position connector  | \$14.00 |
| 15731  | Dust cap for int. thread five-position connector  | \$19.00 |
| 15759  | Six-pin, external thread, male  | \$32.00 |
| 60124  | Six-socket, internal thread connector, female fits Toledo load cells, Condec indicators | \$27.00 |
| 15727  | Six-pin, internal thread, male  | \$31.00 |
| 15724  | Six-socket, external thread   | \$35.00 |
| 15726  | Six-pin chassis mount, external thread  | \$24.00 |
| 15760  | Six-socket chassis mount, external thread   | \$23.00 |
| 15730  | Dust cap for ext. thread six-position connector   | \$14.00 |
| 15731  | Dust cap for int. thread six-position connector   | \$19.00 |
| 15761  | Seven-pin, external thread  | \$33.00 |
| 15756  | Seven-socket, internal thread   | \$35.00 |
| 15729  | Seven-pin, internal thread  | \$35.00 |
| 15728  | Seven-socket, external thread   | \$35.00 |
| 15755  | Seven-pin chassis mount, external thread  | \$24.00 |
| 15762  | Seven-socket chassis mount, external thread   | \$27.00 |
| 15732  | Dust cap for ext. thread seven-position connector                                       | \$20.00 |
| 15733  | Dust cap for int. thread seven-position connector                                       | \$31.00 |

# T-Grip Molding



## Standard Features

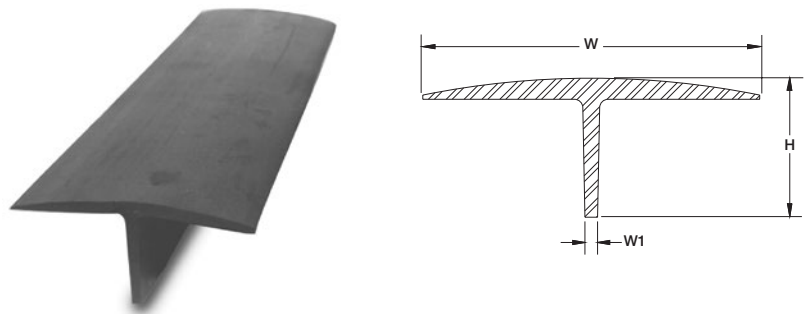
- T-Grip**
- Designed for use in truck scale applications to prevent spillover into the pit
  - Impact, tear and weather-resistant EPDM rubber
  - Barbed web to hold molding in place
  - Web thickness 0.22 in
  - Available by the foot: 10 ft, 11 ft, 70 ft, 80 ft and 100 ft lengths
  - Maximum continuous length is 450 ft

## Part Number/Price

| Part # | H       | W       | W1      | Length           | Price      |
|--------|---------|---------|---------|------------------|------------|
| 18799  | 2.56 in | 5.75 in | 0.22 in | Sold by the foot | \$11.00/ft |
| 18800  | 2.56 in | 5.75 in | 0.22 in | 10 ft            | \$100.00   |
| 18801  | 2.56 in | 5.75 in | 0.22 in | 11 ft            | \$110.00   |
| 18802  | 2.56 in | 5.75 in | 0.22 in | 70 ft            | \$730.00   |
| 33219  | 2.56 in | 5.75 in | 0.22 in | 80 ft            | \$835.00   |
| 33222  | 2.56 in | 5.75 in | 0.22 in | 100 ft           | \$1,050.00 |

Note: Maximum continuous length is 450 ft. Call for price and availability.

# T-Strip Molding



## Standard Features

- T-Strip**
- Designed for use in truck scale applications to prevent spillover into the pit
  - Impact, tear and weather-resistant SBR rubber
  - Web thickness 0.25 in
  - Available by the foot: 10 ft, 11 ft, 70 ft, 80 ft and 100 ft lengths
  - Maximum continuous length is 450 ft

## Part Number/Price

| Part # | H       | W       | W1      | Length           | Price      |
|--------|---------|---------|---------|------------------|------------|
| 18736  | 2.00 in | 4.50 in | 0.25 in | Sold by the foot | \$10.00/ft |
| 18776  | 2.00 in | 4.50 in | 0.25 in | 10 ft            | \$95.00    |
| 18797  | 2.00 in | 4.50 in | 0.25 in | 11 ft            | \$105.00   |
| 18798  | 2.00 in | 4.50 in | 0.25 in | 70 ft            | \$665.00   |
| 33223  | 2.00 in | 4.50 in | 0.25 in | 80 ft            | \$760.00   |
| 33224  | 2.00 in | 4.50 in | 0.25 in | 100 ft           | \$945.00   |

Note: Maximum continuous length is 450 ft. Call for price and availability.



## Electronic Scale Tickets

## Standard Features

- **Hecon® Printers, EL522 & EL516 - 20266**
- Carbon triplicate interleaved
- Size (L × W): 7.875 × 4.25 in (200 × 127 mm)
- Order quantity: 500 per package

20266

|                                    |                              |
|------------------------------------|------------------------------|
| DATE _____                         | No. _____                    |
| SELLER <input type="checkbox"/>    |                              |
| BUYER <input type="checkbox"/>     |                              |
| ADDRESS _____                      |                              |
| CITY _____                         | STATE _____ ZIP _____        |
| GROSS _____                        |                              |
| TARE _____                         |                              |
| NET _____                          |                              |
| DRIVER ON <input type="checkbox"/> | OFF <input type="checkbox"/> |
| WEIGHED BY _____                   |                              |

## Standard Features

- **SP2200, SP2000 - 20265**
- Carbon triplicate interleaved, perforated and glued on one end
- Size (W × L): 5.5 × 9 in (139.7 × 228.6 mm)
- Order quantity: 500 per package

20265

| ELECTRONIC SCALE TICKET   |             | No. _____ |
|---|-------------|-----------|
| DATE _____  |             |           |
| SELLER _____  |             |           |
| BUYER _____   |             |           |
| ADDRESS _____   |             |           |
| CITY _____  | STATE _____ | ZIP _____ |
| COMMODITY _____   |             |           |
| PRICE _____   |             |           |
| REMARKS _____   |             |           |
| _____   |             |           |
| _____   |             |           |
| DRIVER <input type="checkbox"/> ON <input type="checkbox"/> OFF _____ |             |           |
| WEIGHER _____   |             |           |

Form ES-4

## Standard Features

- **Rice Lake Scales - 71630 or 105182**
- Carbonless duplicate or triplicate
- Size (W × L): 4.25 × 7 in (107 × 177.8 mm)
- Attached at 4.25 side
- Order quantity: 500 per package
- Custom (duplicate): Add company name (min. order two packs)
- Custom (triplicate): Add company name (min. order two packs)

Customer Name: \_\_\_\_\_

Driver On p  
Driver Off p

Customer Signature: \_\_\_\_\_

**RICE LAKE**  
Scale the World to every measure!

P711220

## Standard Features

- **Blank Scale Ticket - 22263**
- 3-part carbonless
- White, canary yellow and pink
- Size (L x W): 5.50 x 4.25 in (140 x 108 mm)
- Attached at 4.25 edge
- Custom: Add company name (min. order of 1,000)

## Part Number/Price

| Part # | Description   | Price       |
|--------|---|-------------|
| 20266  | Hecon printers, EL522 & EL516, 500/pack                           | \$110.40    |
| 20265  | SP2200, SP2000, EL250 & EL500, 500/pack                           | \$114.00    |
| 71630  | Rice Lake ticket, two part, 500/pack                              | \$60.00     |
| 105182 | Rice Lake ticket, three part, 500/pack white, canary yellow, pink | \$86.50     |
| 22263  | Blank scale ticket, each  | \$0.25 each |

## Mechanical Scale Tickets

## Standard Features

- **Fairbanks Scales - 20260**
- Carbonless triplicate with 2 in (50.8 mm) tear-off flap
- Size (W x L): 4.75 x 1.875 in (120.7 x 47.6 mm)
- Order quantity: 500 per package

|                                     |      |                        |
|-------------------------------------|------|------------------------|
| <b>WEIGHED ON A FAIRBANKS SCALE</b> |      | No. _____              |
| Load _____                          |      | Date _____             |
| From _____                          |      |                        |
| Gross _____                         | lbs. | To _____               |
| Tare _____                          | lbs. | Address _____          |
| Net _____                           | lbs. | Price _____ Amt. _____ |
| _____ On _____                      | Off  | Weigher _____          |

Form 333A

Printed in U.S.A.

## Standard Features

- **Howe™ Scales - 20261**
- Carbon triplicate with 2 in (50.8 mm) tear-off flap
- Size (W × L): 5.5 × 1.75 in (139.7 × 44.5 mm)
- Order quantity: 500 per package

Weight obtained by using THE HOWE PATENTED RECORDING BEAM

No. \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_

Gross Load of \_\_\_\_\_

Tare Driver { On \_\_\_\_\_  
Off \_\_\_\_\_

Fees \_\_\_\_\_ Date \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_ Net \_\_\_\_\_ Weigher \_\_\_\_\_

## Part Number/Price

| Part # | Description                | Price   |
|--------|----------------------------|---------|
| 20260  | Fairbanks scales, 500/pack | \$78.00 |
| 20261  | Howe scales, 500/pack      | \$78.00 |

## Create Your Own Custom Ticket

## Standard Features

- Send us a copy of the existing custom format or drawing of a completely new one. Please specify number of carbon copies, dimensions, colors and text. Minimum order quantity may apply.

# Printer Dust Covers



Protect your electronic scales, weight indicators and printers with a scale veil or printer dust cover. Reduce costly repairs and downtime due to moisture penetrating through instrument enclosures during cleanup or operation.

## Standard Features

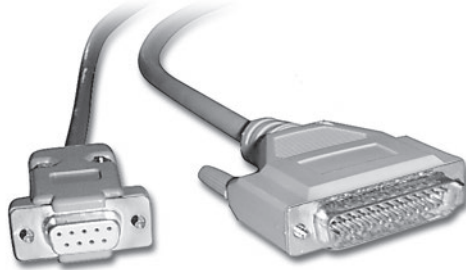
- Tough, flexible transparent vinyl, constructed with heavy-duty stitching
- Loose fit allows for operation of switches or controls through the dust cover
- Available for most types of scale equipment

## Part Number/Price

| Part #    | Model                      | Price   |
|-----------|----------------------------|---------|
| EPSON®    |                            |         |
| 29582     | TM290/295                  | \$58.00 |
| 35666     | TM-U200 TM-U220            | \$63.00 |
| 111840    | TM-U590                    | \$69.00 |
| Oki-Data® |                            |         |
| 21208     | Oki-Data 184 Turbo Printer | \$69.00 |
| 21226     | Oki-Data 320/390           | \$69.00 |

*Custom covers and specials available; consult factory.*

# Printer Cables



72440



156809 (1m)

156811 (3m)

156815 (5m)

## Part Number/Price

| Part #  | Description   | Price    |
|---|---|----------|
| <b>Interface Cables for TicketPress, SP-2200, TM-U295, TM-U590 and Star® Printers</b> |   |          |
| 15547   | Blunt end, 25-pin D-sub male RS-232 serial interface cable                        | \$70.00  |
| 15548   | 25-pin D-sub male to 25-pin D-sub male 20 mA serial interface cable (SP2200 only) | \$70.00  |
| 15568   | 25-pin D-sub male to 25-pin D-sub male RS-232 serial interface cable              | \$70.00  |
| Consult   | Custom 20 mA/RS-232 serial interface cable  | \$95.00  |
| <b>Interface Cables for I-Class</b>   |   |          |
| 15547   | Blunt end, 25-pin D-sub male RS-232 serial interface cable                        | \$70.00  |
| Consult   | Custom RS-232 interface cable   | \$95.00  |
| <b>Interface Cables for Desktops, GoDEX Models, Zebra, E-4203 and M-4206</b>          |   |          |
| 41276   | DB9 male RS-232 cable to blunt end  | \$77.00  |
| <b>Straight Cable</b>   |   |          |
| 70056   | DB9 male to DB9 female  | \$40.00  |
| 50749   | DB9 female to DB9 female  | \$60.00  |
| 41279   | DB25 male to DB9 male   | \$70.00  |
| 72440   | DB25 male to DB9 female   | \$67.00  |
| <b>Null Modem Cable</b>   |   |          |
| 66535   | DB9F to DB9 female, Null modem  | \$46.00  |
| 64794   | DB9 male to DB9 female  | \$69.00  |
| <b>USB Cable</b>  |   |          |
| 79074   | USB-A (male) to USB-B (male) cable, 6 ft  | \$35.00  |
| 153603  | USB to nine-pin male RS-232 adapter   | \$105.00 |
| 156806  | USB-A (male) to USB-A (male) cable, 1 m   | \$35.00  |
| 156807  | USB-A (male) to USB-A (male) cable, 3 m   | \$50.00  |
| 156808  | USB-A (male) to USB-A (male) cable, 5 m   | \$60.00  |
| 156809  | USB-A (male) to USB-B (male) cable, 1 m   | \$55.00  |
| 156815  | USB-A (male) to USB-B (male) cable, 3 m   | \$55.00  |
| 156811  | USB-A (male) to USB-B (male) cable, 5 m   | \$70.00  |
| <b>Ethernet Cable/RJ45</b>  |   |          |
| 72697   | RJ45 to RJ45, 7 ft  | \$40.00  |
| 78860   | RJ45 to RJ45, cross over 7 ft   | \$40.00  |
| 75594   | RJ45 to nine-pin female   | \$70.00  |
| 156817  | RJ45, 1 m   | \$35.00  |
| 156818  | RJ45, 3 m   | \$42.00  |
| 156821  | RJ45, 5 m   | \$50.00  |
| <b>Misc. Cables and Adapters</b>  |   |          |
| 22436   | Blunt end, nine-pin D-sub female  | \$67.00  |
| 130213  | Blunt end DB25 male   | \$58.00  |
| 165698  | Female to male gender changer   | \$11.25  |
| 119064  | Slimline, Null modem gender changer, DB9 female/female                            | \$12.50  |
| 130789  | Null modem DB9 M/F  | \$14.50  |

Blunt-end cables interface to: UMC444, UMC555, UMC600, IQ700, IQ plus® 310A, IQ plus® 355, IQ plus® 390-DC, IQ plus® 510, IQ plus® 590-DC, IQ plus® 710, IQ plus® 800, and IQ plus® 810, 520 and 920i®

Custom cables are designed to interface with your specific equipment. Please specify equipment model number and connector type. Standard cable length is 5 ft.



156817 (1m)

156818 (3m)

156821 (5m)



156806 (1m)

156807 (3m)

156808 (5m)

## Static Brushes



| Part # | Staticmaster Part # | Description           | Price    |
|--------|---------------------|-----------------------|----------|
| 76669  | 1C200               | Static brush 1 in     | \$140.00 |
| 76670  | 1C200R              | Replacement cartridge | \$90.00  |



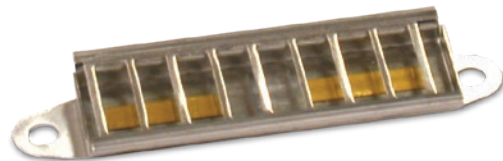
| Part # | Staticmaster Part # | Description           | Price    |
|--------|---------------------|-----------------------|----------|
| 76671  | 3C500               | Static brush 3 in     | \$210.00 |
| 76672  | 3C500R              | Replacement cartridge | \$145.00 |

## Ionizing Strips



| Part # | Staticmaster Part # | Description            | Price    |
|--------|---------------------|------------------------|----------|
| 76677  | 1U400               | Ionizing unit 1 x 1 in | \$145.00 |
| 76678  | 1U200               | Ionizing unit 1 x 1 in | \$90.00  |
| 76676  | 2U500               | Ionizing unit 1 x 3 in | \$145.00 |

## Ionizing Strip Accessories



| Part # | Staticmaster Part # | Description                         | Price    |
|--------|---------------------|-------------------------------------|----------|
| 76679  | BF1                 | Ionizer positioner                  | \$73.00  |
| 76680  | BF2                 | Ionizer positioner only - C bracket | \$105.00 |

## Desiccants



### Standard Features

- Packets
- Bagged desiccants to protect your enclosed electronic components from moisture and humidity
- Useful in junction boxes, indicators and all scale electronics

### Part Number/Price

| Part # | Description               | Price  |
|--------|---------------------------|--------|
| 16038  | Mini Pax® 7 g             | \$1.22 |
| 16039  | NatraSorb® 20 g           | \$2.23 |
| 92240  | Silica gel 1 unit pkg 3 g | \$1.17 |

## Industrial Corrosion Inhibitor



### Standard Features

- Special chemical combination provides superior protection
- Protects 5 cubic ft/1.4 cubic m of enclosure volume for approximately one year
- Dimensions: (W x H) 2.5 x 1.5 in (64 x 38 mm)

### Part Number/Price

| Part # | Description         | Price   |
|--------|---------------------|---------|
| 16037  | Corrosion inhibitor | \$42.00 |

## Crimper and Lead Seals



### Part Number/Price

| Part # | Description                      | Price    |
|--------|----------------------------------|----------|
| 21111  | Crimper and two die blanks       | \$148.00 |
| 15318  | Crimper die blank (replacements) | \$64.00  |
| 15317  | 100 seals/pkg                    | \$53.00  |

### Standard Features

#### Crimper

- 5.0 in (127 mm) seal press with two 0.5 in (13 mm) engraving dies
- Chrome finish
- Maximum number of characters that can be engraved on die is 9
- Compound leverage
- Quick delivery on custom dies

#### Lead Seals

- Heavy-duty seal with galvanized steel wire
- Length 16.0 in (406 mm)

# Static Control Table Mat and Floor Mat



An absolute must for every workbench, this kit includes a 3-layer 2 × 4 ft table mat, 4 × 6 ft floor mat, ground cord and adjustable wrist strap. Designed specifically for energized circuit work, the static control table and floor mat provide superior protection against ESD.

## Part Number/Price

| Part # | Description                            | Price    |
|--------|--|----------|
| 34265  | Static control table mat and floor mat | \$900.00 |

# Static Control Wrist Strap



The single most important personal accessory for protecting ESD sensitive components and circuits, this wrist strap protects against charges from the body. The wrist strap consists of a comfortable elastic cuff or band and a detachable conductive cord for grounding the wrist band.

## Part Number/Price

| Part # | Description                | Price   |
|--------|----------------------------|---------|
| 34263  | Static control wrist strap | \$58.00 |

# Static Shielding Bags



This static shield bag offers total ESD protection, whether you're transporting ESD-susceptible products across the room or across the country. The outer layer of the bag consists of an abrasion-resistant polyester, while the antistatic polyethylene inner layer retards triboelectric static charging from inside the bag.

## Part Number/Price

| Part # | Description                       | Price       |
|--------|-----------------------------------|-------------|
| 16150  | Static shielding bags, 8 × 10 in  | \$1.17 each |
| 16151  | Static shielding bags, 12 × 18 in | \$3.45 each |

# Static-Safe Service Kit



## Standard Features

- Eliminates static for safe board replacement
- Connects a field service technician and the static-safe work surface to the same ground point
- Harmlessly drains static charges from the body and from any conductive objects placed on the mat
- Folds into a compact unit for transport and storage

## Part Number/Price

| Part # | Description             | Price    |
|--------|-------------------------|----------|
| 32818  | Static-safe service kit | \$206.00 |

# Rice Lake's Scale Technician Kits

Take Rice Lake's commitment to customer service into the field. Rice Lake's Scale Technician Kit has everything you need in one convenient backpack to troubleshoot and repair wherever you are.

## PN 166205

### Technician Tool Kit \$1,050.00

- Rice Lake backpack
- Simulator with vernier
- Digital volt meter
- Communication Kit



## PN 166204

### Communication Kit \$135.00

- Cinch sack
- Document Kit
- Six-in-one screwdriver
- Small RLWS screwdriver
- Test LEDs
- USB to serial converter
- DB9M to DB9F straight cable
- DB9F to blunt end cable
- DB25M to blunt end cable
- Female to female DB9 null modem adapter
- Female to male DB9 gender changers
- Null modem adapter
- TCP/IP patch cable
- TCP/IP crossover cable



## PN 166203

### Document Kit \$10.50

- Pinouts for a DB9 and DB25 cable shows both male and female connectors
- Pinouts and color codes for a patch and crossover Ethernet cable
- Recommended maximum cabling distances of RS-232, 20mA, 485 and Ethernet TCP/IP
- Standard ASCII chart in both decimal and hexadecimal
- Links to website to download latest version of Revolution® and iRev® (on CD)
- Link to freeware terminal program download (PUTTY, Hercules, RealTerm. etc.)
- Load cell color wire chart
- Weigh Modules and Vessel Weighing Handbook PN 43918
- Load Cell and Weigh Module Handbook PN 22054



## PN 118432

### Small Screwdriver \$3.00





# Junction Boxes / Simulators

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# JB4SS

TuffSeal® Signal Trim Junction Box



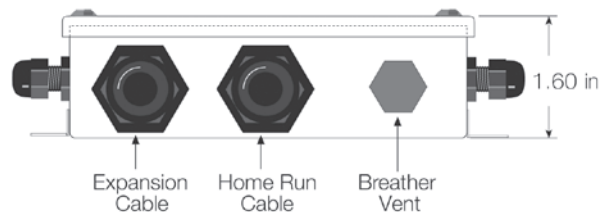
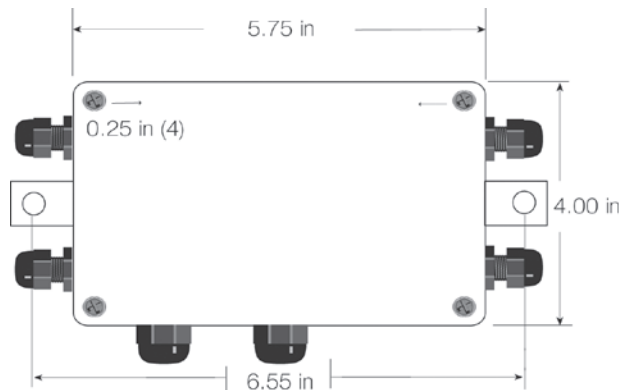
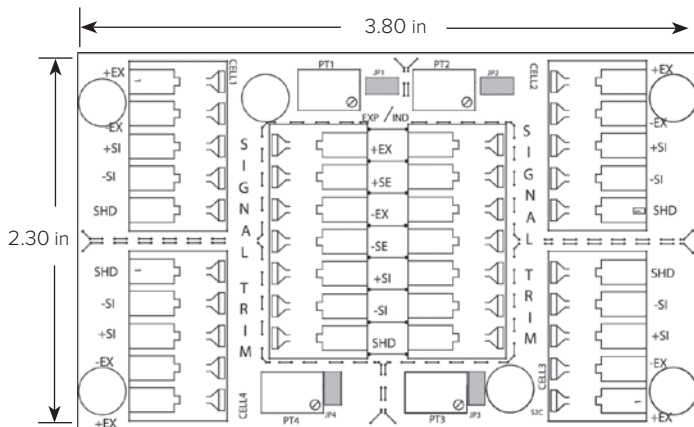
## Approvals



## Part Number/Price

| Part #        | Description   | Price    |
|---------------|---|----------|
| <b>88956</b>  | JB4SS signal trim junction box with PG7 cord grips for load cells | \$275.00 |
| <b>107700</b> | JB4SS signal trim junction box with PG9 cord grips for load cells | \$290.00 |
| <b>88958</b>  | Board only  | \$175.00 |
| <b>182990</b> | Board only with standoffs   | \$180.00 |
| <b>165271</b> | Enclosure only (includes cord grips and filter)                   | \$150.00 |

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.



## Standard Features

- Stainless steel, NEMA Type 4X enclosure
- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Number of cells: Two, three or four single cells
- Expansion port

## Applications

- Floor, tank, hopper scales

## Specifications

### Cable Fittings:

#### P/N 88956:

- (4) PG7 0.118 to 0.255 strain relief
- (2) PG11 0.197 to 0.394 strain relief

#### P/N 107700:

- (4) PG9 0.138 to 0.315 strain relief
- (2) PG11 0.197 to 0.394 strain relief

### Rating/Material:

NEMA Type 4X  
Stainless steel

### Connectors:

Spring clamp screwless, 12 to 28 AWG

### Trimming:

Individual cell, signal trim

### Temperature Range:

Operating  
0 °F to 122 °F (-18 °C to 50 °C)

### Potentiometers:

100,000 ohm, 25-turn cermet

### Circuit Board:

3.8 × 2.3 in, with conformal coating

### Warranty:

One-year limited

### Approvals:

cFMus



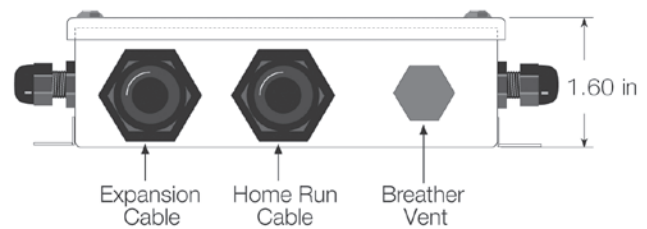
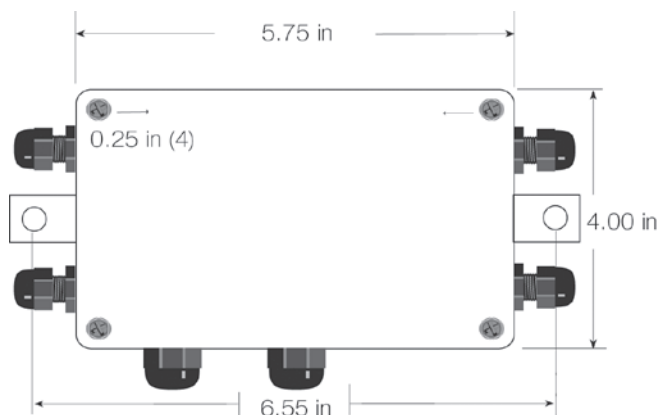
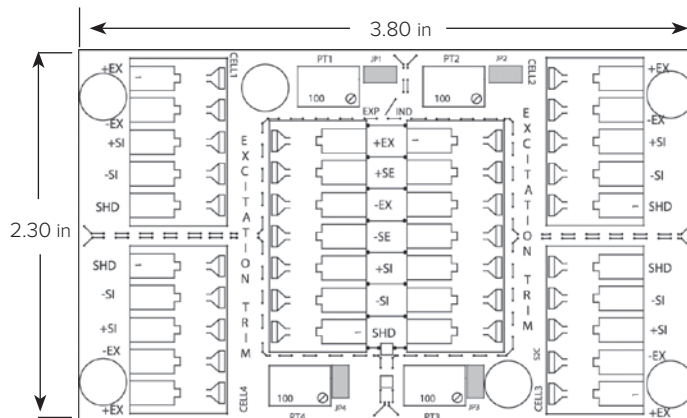
## Approvals



## Part Number/Price

| Part # | Description                                     | Price    |
|--------|---|----------|
| 91779  | JB4ES excitation trim junction box              | \$275.00 |
| 89446  | Board only                                      | \$170.00 |
| 165271 | Enclosure only (includes cord grips and filter) | \$150.00 |

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.



## Standard Features

- Jumpers to enable trimming
- PreVent™ breather vent
- Conformal coated circuit board
- Number of cells: Two, three or four single cells
- Expansion port

## Applications

- Floor, tank, hopper scales

## Specifications

## Cable Fittings:

- (4) PG7 0.118 to 0.255 strain relief
- (2) PG11 0.197 to 0.394 strain relief

## Rating/Material:

- NEMA Type 4X
- Stainless steel

## Temperature Range:

- Operating:
- 0 °F to 122 °F (-18 °C to 50 °C)

## Connectors:

- Spring clamp screwless, 12 to 28 AWG

## Trimming:

- Individual cell, excitation trim

## Potentiometers:

- 100 ohm, 25-turn cermet

## Circuit Board:

- 3.8 × 2.3 in, with conformal coating

## Warranty:

- One-year limited

## Approvals:

- cFMus

# JB4SP and JB4SPT

TuffSeal® Signal Trim Junction Box



## Approvals



PN 92762

Not FM approved



## Standard Features

- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Number of cells: Two, three or four single cells
- Expansion port

## Applications

- Tank and hopper scales

## Specifications

### Cable Fittings:

- (4) PG7 0.118 to 0.255 strain relief
- (2) PG11 0.197 to 0.394 strain relief

### Rating/Material:

- NEMA Type 4X
- Polycarbonate with overlapping solid cover,
- stainless steel screws

### Temperature Range:

- Operating:
- 0 °F to 122 °F (-18 °C to 50 °C)

### Connectors:

- Spring clamp screwless, 12 to 28 AWG

### Trimming:

- Individual cell, signal trim

### Potentiometers:

- 100,000 ohm, 25-turn cermet

### Circuit Board:

- 3.8 × 2.3 in, with conformal coating

### Warranty:

- One-year limited

### Approvals:

- cFMus

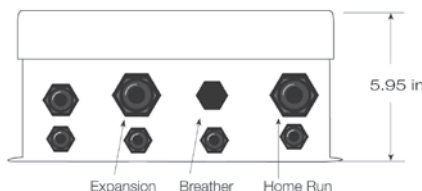
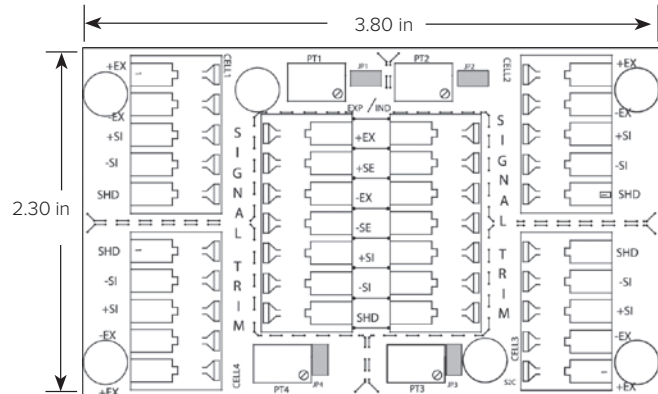
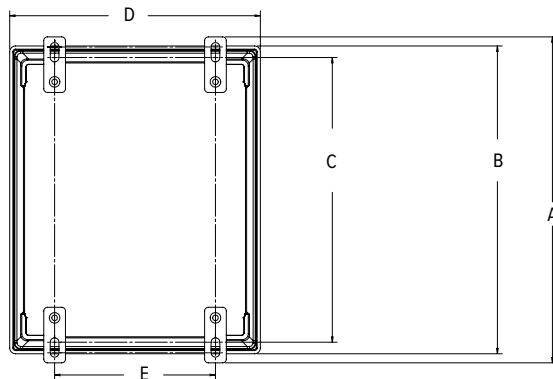
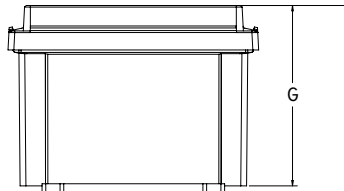
## Part Number/Price

| Part # | Description  | Price    |
|--------|--|----------|
| 91780  | JB4SP signal trim four-channel with expansion                  | \$285.00 |
| 92762  | JB4SPT signal trim with transient protection (not FM approved) | \$475.00 |
| 88958  | Board only   | \$175.00 |
| 89894  | Transient board  | \$235.00 |
| 165272 | Enclosure only (does not include cord grips and filter)        | \$145.00 |

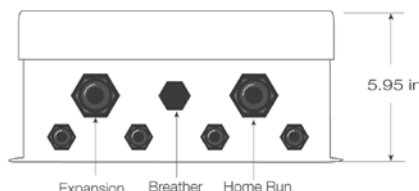
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

## Dimensions

| Enclosure |          |   |         |
|-----------|----------|---|---------|
| A         | 10.04 in | E | 4.00 in |
| B         | 9.52 in  | F | 5.95 in |
| C         | 8.50 in  | G | 5.71 in |
| D         | 7.43 in  |   |         |



JB4SPT



JB4SP

JUNCTION BOXES /  
SIMULATORS

# JB4EP and JB4EPT

TuffSeal® Excitation Trim Junction Box



Photo of JB4EP

## Approvals



PN 92763

Not FM approved



## Standard Features

- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Number of cells: Two, three or four single cells
- Expansion port

## Applications

- Tank and hopper scales

## Specifications

### Cable Fittings:

- (4) PG7 0.118 to 0.255 strain relief
- (2) PG11 0.197 to 0.394 strain relief

### Rating/Material:

NEMA Type 4X  
Polycarbonate with overlapping solid cover, stainless steel screws

### Temperature Range:

Operating:  
0 °F to 122 °F (-18 °C to 50 °C)

### Connectors:

Spring clamp screwless, 12 to 28 AWG

### Trimming:

Individual cell, excitation trim

### Potentiometers:

100 ohm, 25-turn cermet

### Circuit Board:

3.8 × 2.3 in, with conformal coating

### Warranty:

One-year limited

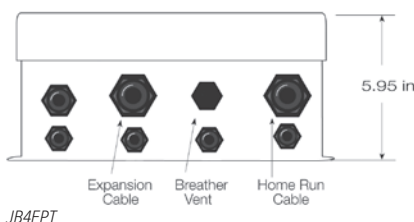
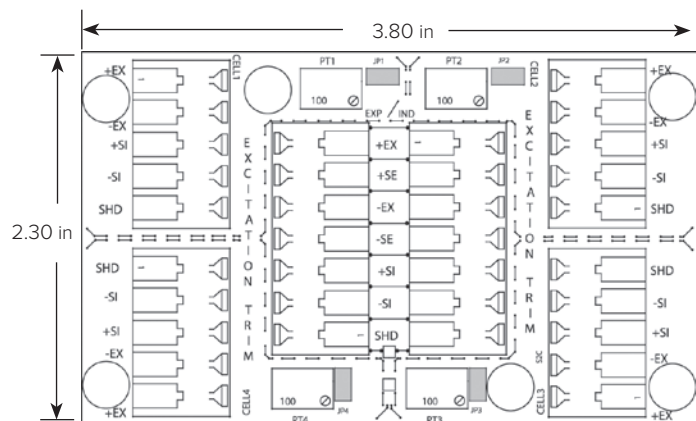
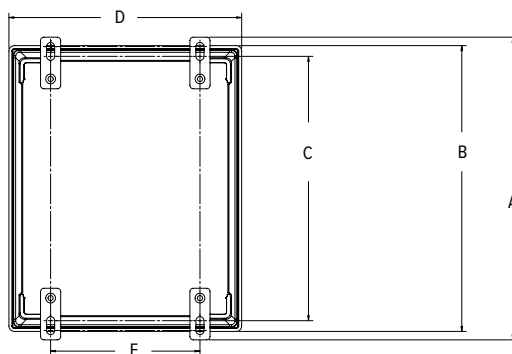
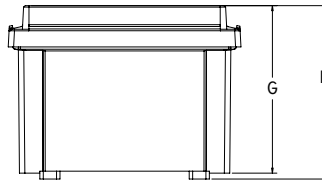
## Part Number/Price

| Part # | Description   | Price    |
|--------|---|----------|
| 91781  | JB4EP excitation trim junction box  | \$285.00 |
| 92763  | JB4EPT excitation trim junction box with transient protection (not FM approved) | \$475.00 |
| 89446  | Board only  | \$170.00 |
| 89894  | Transient board   | \$235.00 |
| 165272 | Enclosure only (does not include cord grips or filter)                          | \$145.00 |

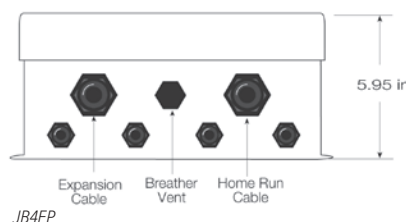
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

## Dimensions

| Enclosure |          |   |         |
|-----------|----------|---|---------|
| A         | 10.04 in | E | 4.00 in |
| B         | 9.52 in  | F | 5.95 in |
| C         | 8.50 in  | G | 5.71 in |
| D         | 7.43 in  |   |         |



JB4EPT



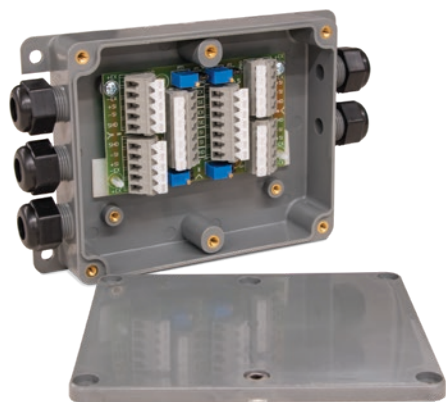
JB4EP

Load Cell  
Cord Grips  
on Bottom

JUNCTION BOXES /  
SIMULATORS

# EL204

Signal Trim Junction Box



### Part Number/Price

| Part # | Description        | Price    |
|--------|--------------------|----------|
| 73428  | EL204 junction box | \$210.00 |
| 88958  | Board only         | \$175.00 |

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

### Standard Features

- ABS enclosure with molded-in cable fittings
- Number of cells: Two, three or four single cells

### Applications

- Floor, hopper, tank or livestock applications

### Specifications

#### Cable Fittings:

Five water tight nylon compression fittings,  
0.210 × 0.280 in

#### Connectors:

Spring clamp screwless, 12 to 28 AWG

#### Enclosure:

ABS with molded through-fittings,  
sealed six-screw lid

#### Temperature Range:

Operating:  
0 °F to 122 °F (-18 °C to 50 °C)

#### Trimming:

Individual cell trim, signal trim

#### Potentiometers:

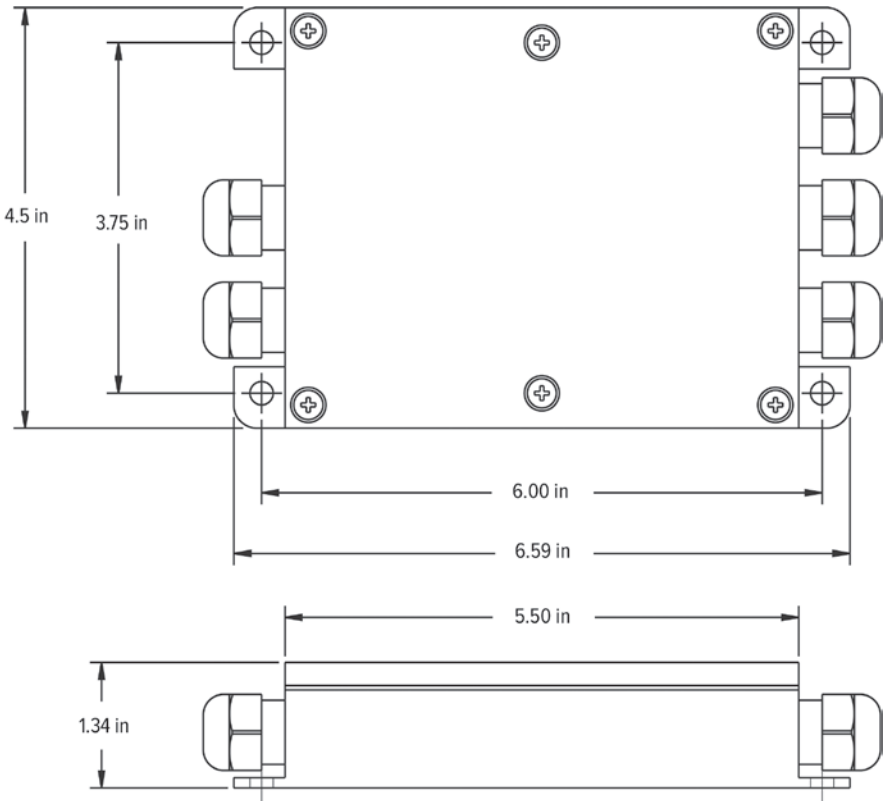
100,000 ohm, 25-turn cermet

#### Circuit Board:

3.8 × 2.3 in, with conformal coating

#### Warranty:

One-year limited





### Part Number/Price

| Part # | Description                                    | Price    |
|--------|--|----------|
| 21165  | EL504 signal trim junction box                 | \$395.00 |
| 21296  | Board only                                     | \$275.00 |
| 165274 | Enclosure only (includes cord grips and cover) | \$175.00 |

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability. Any unused channels require modification.

### Standard Features

- Strain relief cable fittings
- Removable connectors for easy wiring
- Number of cells: two or four single cells (even number of cells only)

### Applications

- Truck and floor scales
- Limited space installations

### Specifications

#### Cable Fittings:

Five nylon 0.187 to 0.312 in cable strain reliefs

#### Connectors:

Electrovert 0.197 in (5.0 mm) miniature two piece connectors. Maximum wire size #14 AWG, connectors are removable for easy wiring.

#### Trimming:

Individual cell trim, signal trim

#### Potentiometers:

100,000 ohm, 25-turn cermet

#### Temperature Range:

Operating:  
0 °F to 122 °F (-18 °C to 50 °C)

#### Rating/Material:

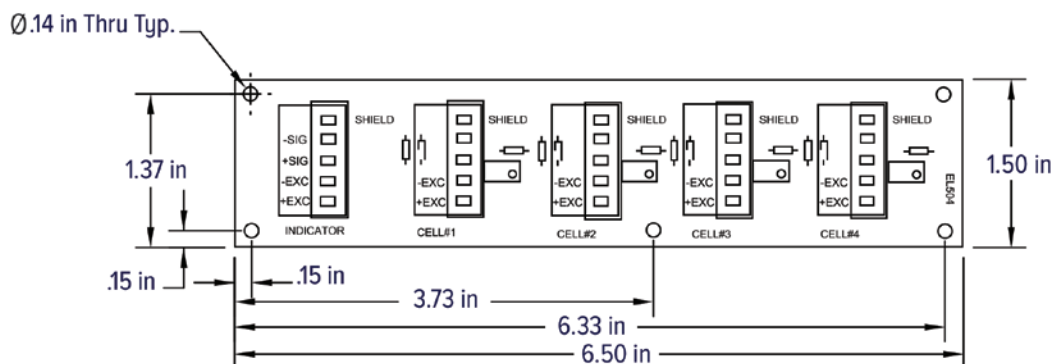
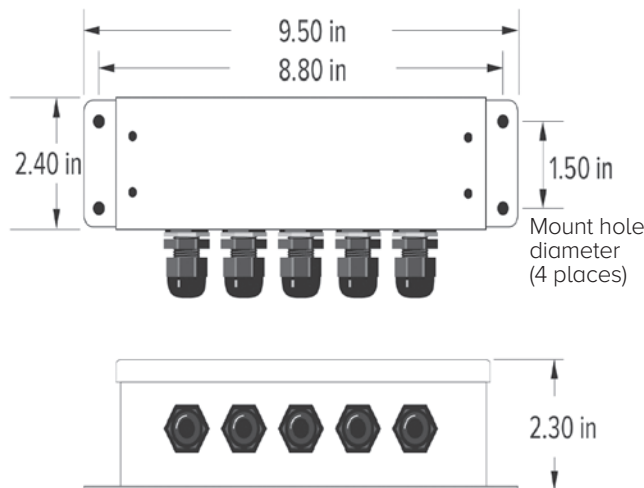
NEMA Type 4X, 40 PSI washdown  
Stainless steel

#### Circuit Board:

6.5 × 1.5 in, with anti-fungal coating

#### Warranty:

One-year limited





# JB8SP

TuffSeal® Signal Trim Junction Box



## Approvals



## Part Number/Price

| Part # | Description   | Price    |
|--------|---|----------|
| 91782  | JB8SP signal trim eight-channel with expansion              | \$465.00 |
| 173807 | JB8SP signal trim eight-channel with expansion, FM approved | \$495.00 |
| 89889  | Board only  | \$395.00 |
| 172415 | Board only, FM approved                                     | \$415.00 |
| 165273 | Enclosure only (does not include cord grips and filter)     | \$165.00 |

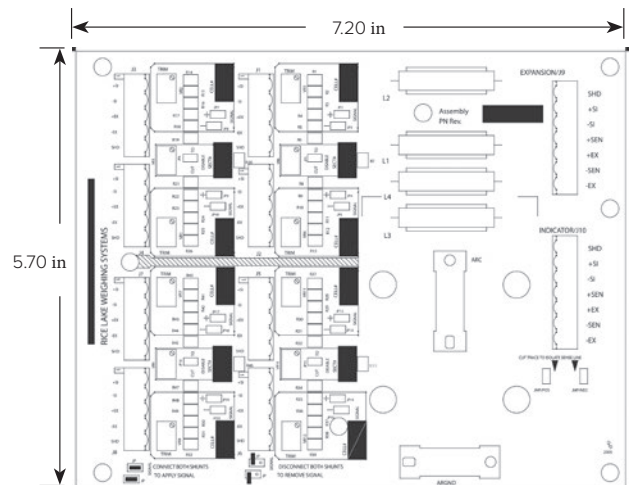
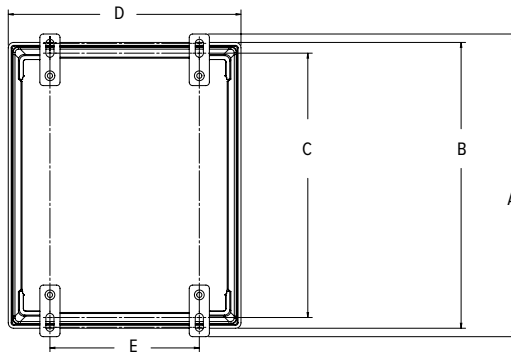
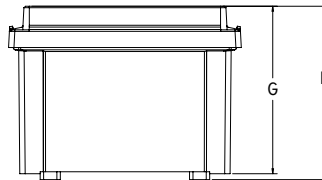
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

## Options/Accessories

| Part # | Description  | Price   |
|--------|--|---------|
| 92734  | Coupling, 1/2-inch NPT cord grip to 3/4-inch NPT conduit fitting | \$27.00 |
| 92735  | Coupling, 3/8-inch NPT cord grip to 3/4-inch NPT conduit fitting | \$27.00 |

## Dimensions

| Enclosure |          |           |
|-----------|----------|-----------|
| A         | 12.13 in | E 9.32 in |
| B         | 11.45 in | F 5.98 in |
| C         | 11.38 in | G 6.95 in |
| D         | 10.59 in |           |



## Standard Features

- Polycarbonate, NEMA Type 4X enclosure
- PreVent™ breather vent
- Conformal coated circuit board
- Removable load cell connectors
- Section and individual cell trim capability
- Number of cells: Two, four, six or eight single load cells (even number of cells only)
- Expansion port

## Applications

- Truck, livestock and railroad scales

## Specifications

### Cable Fittings:

- (9) 3/8 in NPT 0.157 to 0.314 in
- (2) 1/2 in NPT 0.272 to 0.472 in

### Rating/Material:

NEMA Type 4X  
Polycarbonate with overlapping solid cover,  
stainless steel screws

### Connectors:

Pluggable screw type, 12 to 28 AWG

### Trimming:

Individual cell trim, range

### Potentiometers:

100,000 ohm, 25 turn cermet

### Temperature Range:

Operating:  
0 °F to 122 °F (-18 °C to 50 °C)

### Circuit Board:

5.7 × 7.2 in with conformal coating

### Warranty:

One-year limited





## Part Number/Price

| Part # | Description   | Price    |
|--------|---|----------|
| 91783  | JB8SPT signal trim junction box with transient protection | \$700.00 |
| 89889  | Board only  | \$395.00 |
| 89894  | Transient board   | \$235.00 |
| 165273 | Enclosure only (does not include cord grips and filter)   | \$165.00 |

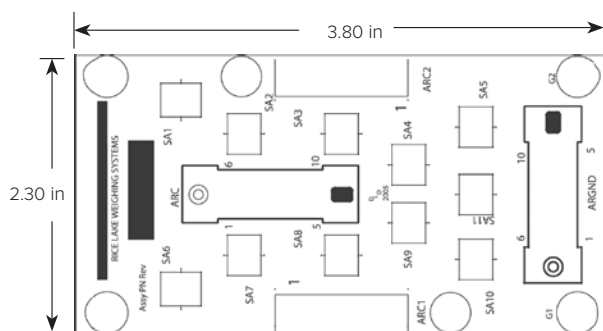
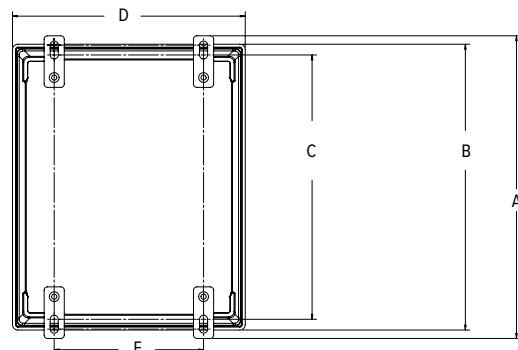
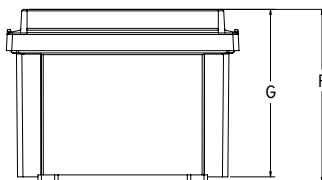
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

## Options/Accessories

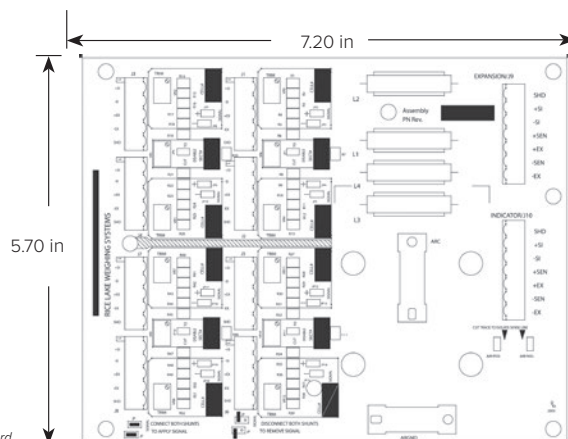
| Part # | Description  | Price   |
|--------|--|---------|
| 92734  | Coupling, 1/2-inch NPT cord grip to 3/4-inch NPT conduit fitting | \$27.00 |
| 92735  | Coupling, 3/8-inch NPT cord grip to 3/4-inch NPT conduit fitting | \$27.00 |

## Dimensions

| Enclosure |          |   |         |
|-----------|----------|---|---------|
| A         | 12.13 in | E | 9.32 in |
| B         | 11.45 in | F | 5.98 in |
| C         | 11.38 in | G | 6.95 in |
| D         | 10.59 in |   |         |



Transient Board



Load Cell Board

## Standard Features

- Transient protection
- PreVent™ breather vent
- Conformal coated circuit board
- Removable load cell connectors
- Section and individual cell trim capability
- Field replaceable transient protection
- One coupling, 0.5-inch NPT cord grip to 0.75-inch NPT conduit fitting for homerun cable
- Number of cells: Two, four, six or eight single load cells (even number of cells only)
- Expansion port

## Applications

- Truck, livestock and railroad scales

## Specifications

### Cable Fittings:

- (9) 3/8 in NPT 0.157 to 0.314 in
- (2) 1/2 in NPT 0.272 to 0.472 in

### Rating/Material:

NEMA Type 4X  
Polycarbonate with overlapping solid cover, stainless steel screws

### Connectors:

Pluggable screw type, 12 to 28 AWG

### Trimming:

Individual cell trim

### Potentiometers:

100,000 ohm, 25-turn cermet

### Temperature Range:

Operating:  
0 °F to 122 °F (-18 °C to 50 °C)

### Circuit Board:

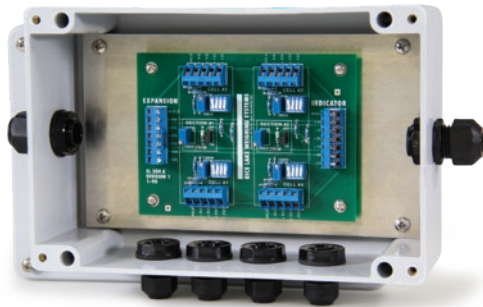
5.7 × 7.2 in with conformal coating

### Warranty:

One-year limited

# EL304A

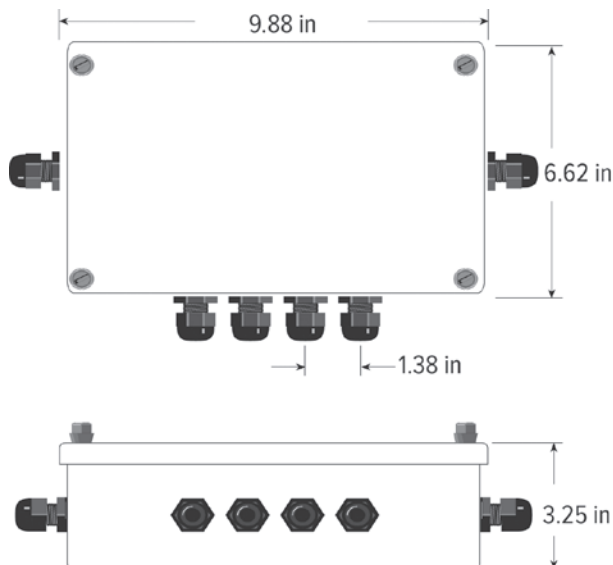
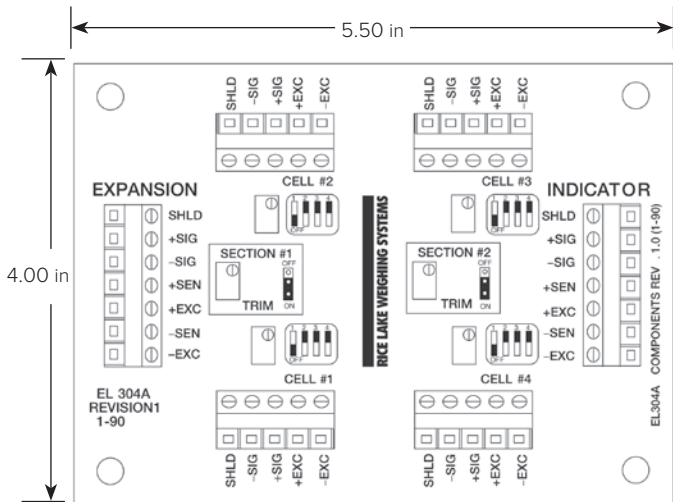
Signal Trim Junction Box



### Part Number/Price

| Part # | Description                                  | Price    |
|--------|--|----------|
| 21169  | EL304A signal trim four-channel junction box | \$325.00 |
| 21301  | Board only                                   | \$235.00 |
| 165275 | Enclosure only (includes cord grips)         | \$180.00 |

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.



### Standard Features

- Strain relief cable fittings
- Individual cell signal disconnect switches
- Number of cells: Two or four single cells (even number of cells only)
- Corner and/or section trim applications
- Expansion port

### Applications

- Livestock scales
- Tank and vessel weighing

### Specifications

#### Cable Fittings:

- Four nylon cable strain reliefs
- 0.079 to 0.236 in
- Two nylon cable strain reliefs
- 0.236 to 0.354 in

#### Connectors:

- Electrovert 0.197 in (5.0 mm) miniature screw terminals. Maximum wire size #14 AWG

#### Trimming:

- Individual cell and section, signal trim

#### Potentiometers:

- 100,000 ohm, 25-turn cermet

#### Rating/Material:

- NEMA Type 4X, 40 PSI washdown
- Fiberglass Reinforced Polyester (FRP)

#### Warranty:

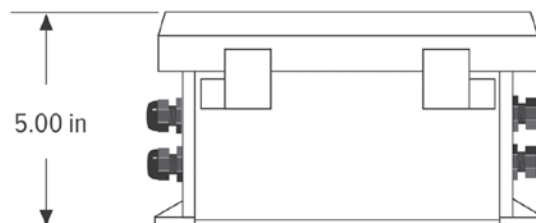
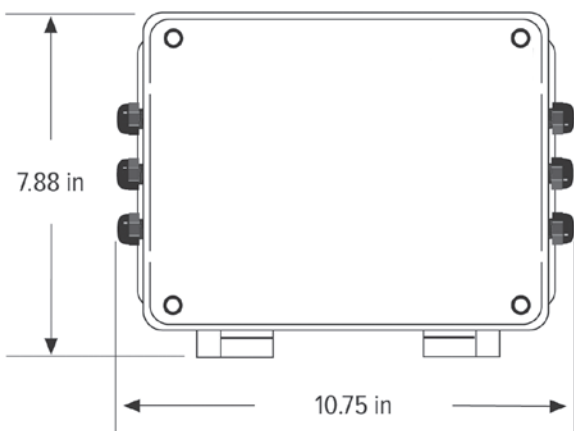
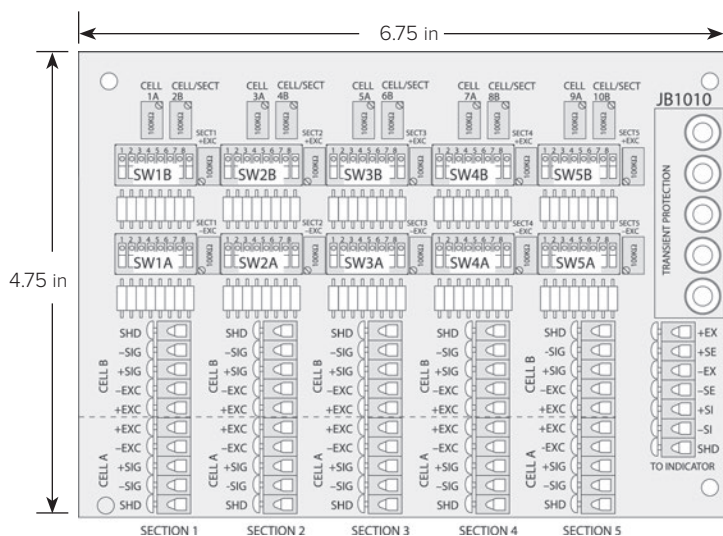
- One-year limited



### Part Number/Price

| Part # | Description                                | Price    |
|--------|--|----------|
| 36231  | JB1010 signal/excitation trim junction box | \$685.00 |
| 36351  | Board only                                 | \$475.00 |
| 165276 | Enclosure only (includes cord grips)       | \$275.00 |

*Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.*



### Standard Features

- Transient protection
- Signal or excitation trim
- Front panel mounting
- Strain relief cable fittings
- Number of cells: 1 through 10
- Trims odd numbers of cells without modification

### Applications

- Tank, truck, railroad, hopper and floor scales
- Universal field replacement of existing boxes
- Expansion of existing scales

### Specifications

#### Mounting Centers:

3.75 × 2.31 in (95.2 × 58.7 mm)

#### Cable Fittings:

Nylon waterproof strain-relief type

#### Temperature Range:

Operating: 0 °F to 122 °F (-18 °C to 50 °C)

#### Cable Diameter:

0.079 to 0.314 in

#### Potentiometers:

100,000 ohm, 25-turns cermet

#### Trimming:

Individual cell and section signal and excitation trimming

#### Rating/Material:

NEMA Type 4X

Fiberglass Reinforced Polyester (FRP)

#### Terminal Block:

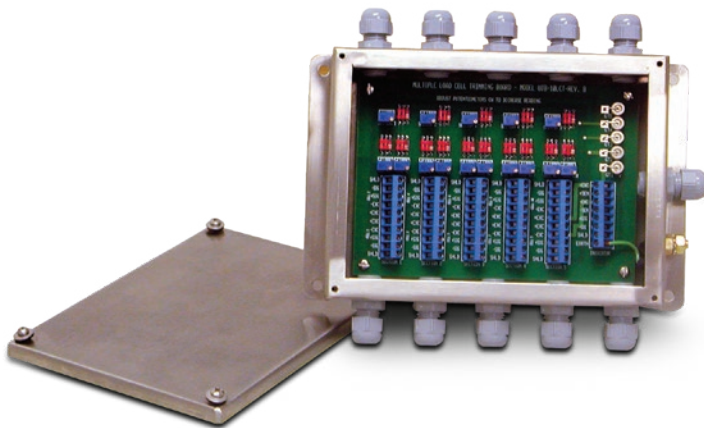
Rated 300V/15A; 7-position screw terminal can each accommodate up to #16 AWG

#### Warranty:

One-year limited

# JB1010ST

Signal Trim Junction Box



## Part Number/Price

| Part # | Description                          | Price    |
|--------|--------------------------------------|----------|
| 68813  | JB1010ST signal trim junction box    | \$615.00 |
| 68811  | Board only                           | \$465.00 |
| 165277 | Enclosure only (includes cord grips) | \$485.00 |

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability. Any unused channels require modification.

## Standard Features

- Transient protection using gas discharge tubes
- Stainless steel, NEMA Type 4X enclosure
- Section and individual cell trim capability
- Compact enclosure only 1.75 in deep
- Strain relief cable fitting
- Number of cells: Two, four, six, eight or 10 single load cells
- Legal for Trade sealing screws, wire and seal included

## Applications

- Tank, truck and railroad scales
- Summing 10 load cells with individual and section trimming capability

## Specifications

### Cable Fittings:

11 nylon cable strain reliefs for cable dimension range: 0.079 to 0.314 in

### Connectors:

Electrovert 0.197 miniature screw terminals  
Five positions  
Maximum wire size: #14 AWG  
External enclosure ground stud

### Trimming:

Individual cell and section signal trim

### Potentiometers:

100,000 ohm, 25-turn cermet, individual trim  
100 ohm, for section trimming

### Rating/Material:

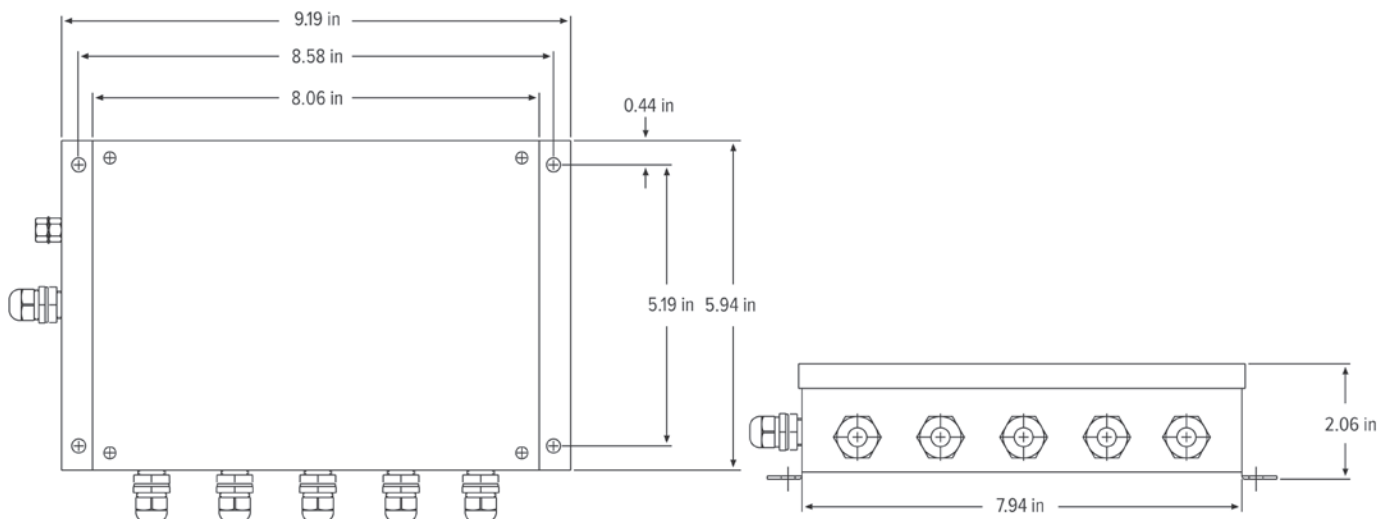
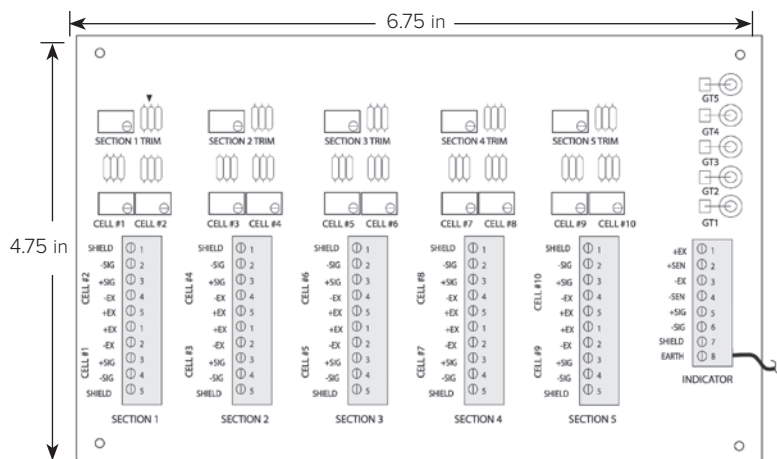
NEMA Type 4X  
Stainless steel

### Temperature Range:

Operating:  
0 °F to 122 °F (-18 °C to 50 °C)

### Warranty:

One-year limited



JUNCTION BOXES /  
SIMULATORS

# Replacement Junction Boxes, Boards or Components

| Model           | Complete J-Box Replacement  | Replacement Board Only   | Replacement Cord Grips   | Replacement Pressure & Condensation Vent  | Desiccant Pack      |
|-----------------|---|--|--|---|---------------------|
| JB4SS           | <b>88956</b> \$275.00   | <b>88958</b> \$175.00  | <b>58983</b> =PG7, \$5.00<br><b>59001</b> =PG11 \$3.70   | <b>88733</b> PreVent™ breather (vent) \$22.00<br><b>88734</b> (vent nut) \$1.05 | <b>92240</b> \$1.17 |
| JB4ES           | <b>91779</b> \$275.00   | <b>89446</b> \$170.00  | <b>58983</b> =PG7, \$5.00<br><b>59001</b> =PG11 \$3.70   | <b>88733</b> PreVent™ breather (vent) \$22.00<br><b>88734</b> (vent nut) \$1.05 | <b>92240</b> \$1.17 |
| JB4SP<br>JB4SPT | <b>91780</b> \$285.00<br><b>92762</b> \$475.00  | <b>88958</b> (load cell) \$175.00 &<br><b>89894</b> (transient protection) \$235.00        | <b>58983</b> =PG7, \$5.00<br><b>59001</b> =PG11 \$3.70   | <b>88733</b> PreVent™ breather (vent) \$22.00<br><b>88734</b> (vent nut) \$1.05 | <b>16039</b> \$2.23 |
| JB4EP<br>JB4EPT | <b>91781</b> \$285.00<br><b>92763</b> \$475.00  | <b>89446</b> (load cell) \$170.00 &<br><b>89894</b> (transient protection) \$235.00        | <b>58983</b> =PG7, \$5.00<br><b>59001</b> =PG11 \$3.70   | <b>88733</b> PreVent™ breather (vent) \$22.00<br><b>88734</b> (vent nut) \$1.05 | <b>16039</b> \$2.23 |
| EL204           | <b>73428</b> \$210.00   | <b>88958</b> \$175.00  | N/A  | N/A   | N/A                 |
| JB8SP           | <b>91782</b> \$465.00<br><b>173807</b> FM approved \$495.00                                   | <b>89889</b> \$395.00<br><b>172415</b> FM approved \$415.00                                | <b>15655</b> (cord grip) \$2.10 &<br><b>15656</b> (nut) \$1.05 =3/8" NPT<br><b>15628</b> (cord grip) \$5.00 &<br><b>15630</b> (nut) \$3.00 =1/2" NPT | <b>88733</b> PreVent™ breather (vent) \$22.00<br><b>88734</b> (vent nut) \$1.05 | <b>16039</b> \$2.23 |
| JB8SPT          | <b>91783</b> \$700.00   | <b>89889</b> (load cell) \$395.00 &<br><b>89894</b> (transient protection) \$235.00        | <b>15655</b> (cord grip) \$2.10 &<br><b>15656</b> (nut) \$1.05 =3/8" NPT<br><b>15628</b> (cord grip) \$5.00 &<br><b>15630</b> (nut) \$3.00 =1/2" NPT | <b>88733</b> PreVent™ breather (vent) \$22.00<br><b>88734</b> (vent nut) \$1.05 | <b>16039</b> \$2.23 |
| EL304A          | <b>21169</b> \$325.00   | <b>21301</b> \$235.00  | N/A  | N/A   | N/A                 |
| JB1010          | <b>36231</b> \$685.00   | <b>36351</b> \$475.00  | N/A  | N/A   | N/A                 |
| JB1010ST        | <b>68813</b> \$615.00   | <b>68811</b> \$465.00  | N/A  | N/A   | N/A                 |
| EL210           | <b>91781</b> , JB4EP* \$285.00  | <b>92472</b> \$155.00  | <b>58983</b> =PG7, \$5.00<br><b>59001</b> =PG11 \$3.70   | N/A   | N/A                 |
| EL211A          | <b>91780</b> , JB4SP* \$285.00<br>(However the board does not have section trim capabilities) | <b>92473</b> , \$160.00 (However the board does not have section trim capabilities)        | <b>58983</b> =PG7, \$5.00<br><b>59001</b> =PG11 \$3.70   | N/A   | N/A                 |
| EL604-AL        | <b>88956</b> , JB4SS* \$275.00  | <b>88958</b> \$175.00  | <b>58983</b> =PG7, \$5.00<br><b>59001</b> =PG11 \$3.70   | N/A   | N/A                 |
| EL604STA        | <b>88956</b> , JB4SS* \$275.00  | <b>88958</b> \$175.00  | <b>58983</b> =PG7, \$5.00<br><b>59001</b> =PG11 \$3.70   | N/A   | N/A                 |
| EL604ETA        | <b>91779</b> , JB4ES* \$275.00  | <b>89446</b> \$170.00  | <b>58983</b> =PG7, \$5.00<br><b>59001</b> =PG11 \$3.70   | N/A   | N/A                 |
| EL504           | <b>21165</b> \$395.00   | <b>21296</b> \$275.00  | N/A  | N/A   | N/A                 |
| JB808S          | <b>91782</b> , JB8SP* \$465.00  | <b>92471</b> \$385.00  | <b>15655</b> (cord grip) \$2.10 &<br><b>15656</b> (nut) \$1.05 =3/8" NPT<br><b>15628</b> (cord grip) \$5.00 &<br><b>15630</b> (nut) \$3.00 =1/2" NPT | N/A   | N/A                 |
| JB818ST         | <b>91783</b> , JB8SPT* \$700.00   | Need (1) <b>77445</b> \$55.00<br>(1) <b>89889</b> \$395.00, &<br>(1) <b>89894</b> \$235.00 | <b>15655</b> (cord grip) \$2.10 &<br><b>15656</b> (nut) \$1.05 =3/8" NPT<br><b>15628</b> (cord grip) \$5.00 &<br><b>15630</b> (nut) \$3.00 =1/2" NPT | N/A   | N/A                 |

\*See catalog pages for enclosure dimensions

JUNCTION BOXES /  
SIMULATORS





### Approvals



### Standard Features

- iQUBE<sup>2</sup> board has four A/D channels
- Supports networking up to four boards, for 16 A/D channels; connection can be up to four separate platforms with a system total, or four separate scale systems
- Diagnostic routines for weighing errors and system health
- Cell tests for overloaded, underloaded, zero reference, drift, noise and unbalanced conditions
- Onboard status LEDs for communication and visual bi-color indication of cell health
- Cell emulator compensates for load cell failure until a repair can be made

- Cal-Match<sup>®</sup> algorithm automatically trims and calibrates the scale in one pass of test weights (stopping over each mount)
- Standard communications
- Option card slot for fiber optic, Ethernet TCP/IP, wireless TCP/IP, USB or RS-232/RS-485
- Communicates to 920i<sup>®</sup>, 1280, VIRTUj<sup>2</sup><sup>®</sup> using ASCII (EDP) serial commands

### Applications

- Truck and railroad scales
- Tank and hopper scales
- Multi-channel scales

### Specifications

#### Voltage Input:

115/230 VAC power supply DC/DC converter for 9 to 36V  
6 to 12 V DC to CPU

#### Analog Signal Input Range:

-78 to +78 mV

#### Analog Signal Sensitivity:

0.3 uV/grad at 30 Hz  
0.5 uV/grad at 100 Hz  
1.2 uV/grad at 500 Hz

#### A/D Sampling Rate:

2.5 to 500 Hz (selectable)

#### Digital I/O:

Four per card, for push-button operation, setpoint control or cell status

#### Communication Ports:

RS-232/RS-422

#### Load Cell Inputs:

Four channels per board  
up to four networked boards

#### Load Cell Excitation:

5 V DC, 57 mA maximum per channel

#### Temperature Range:

Certified:  
14 °F to 104 °F (-10 °C to 40 °C)  
Operating:  
-13 °F to 140 °F (-25 °C to 60 °C)  
Storage:  
-13 °F to 158 °F (-25 °C to 70 °C)

#### Rating/Material:

Polycarbonate (NEMA Type 4X) enclosure with overlapping solid cover, stainless steel screws  
Fiberglass reinforced polyester (NEMA Type 4X) enclosure with overlapping solid cover, stainless steel screws  
Stainless steel (NEMA Type 4X) enclosure with hinged cover

#### Warranty:

Two-year limited

#### Approvals:

NTEP 03-032A1  
Measurement Canada AM-5561  
cULus E151461  
CE Marked

### Part Number/Price

| Part #                      | Description   | Est. Weight | Price      |
|-----------------------------|---|-------------|------------|
| <b>With AC Power Supply</b> |   |             |            |
| 108425*                     | iQUBE <sup>2</sup> , four-channel, 8 × 10 in junction box                 | 9 lb        | \$1,200.00 |
| 108426                      | iQUBE <sup>2</sup> , four-channel, 10 × 12 in junction box                | 11 lb       | \$1,400.00 |
| 108427                      | iQUBE <sup>2</sup> , eight-channel, 10 × 12 in junction box               | 11 lb       | \$2,300.00 |
| 108428*                     | iQUBE <sup>2</sup> , four-channel, stainless steel 8 × 10 in junction box | 13 lb       | \$2,250.00 |
| <b>Without Power Supply</b> |   |             |            |
| 108429*                     | iQUBE <sup>2</sup> , four-channel, 8 × 10 in junction box                 | 8 lb        | \$1,100.00 |
| 108430                      | iQUBE <sup>2</sup> , four-channel, 10 × 12 in junction box                | 10 lb       | \$1,350.00 |
| 108431                      | iQUBE <sup>2</sup> , eight-channel, 10 × 12 in junction box               | 10 lb       | \$2,200.00 |
| 108432*                     | iQUBE <sup>2</sup> , four-channel, stainless steel 8 × 10 in junction box | 12 lb       | \$2,250.00 |
| <b>Conduit Adapters</b>     |   |             |            |
| 92734                       | Conduit adapter 3/8 in NTP to 3/4 in NPT                                  |             | \$27.00    |
| 92735                       | Conduit adapter 1/2 in NTP to 3/4 in NPT                                  |             | \$27.00    |

\* Enclosure size 8 × 10 in required for truck scale junction box pocket

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

## Options/Accessories

| Part #   | Description   | Price      |
|--|---|------------|
| 108433   | Four-channel iQUBE <sup>2</sup> board with cables and connectors                              | \$900.00   |
| 97475  | DC/DC power supply, 9-36 VDC (requires factory installation)                                  | \$225.00   |
| 108434   | Remote power supply 115/230 VAC and transient board with enclosure                            | \$350.00   |
| 109396   | Transient board   | \$65.00    |
| 110949   | Transient board with mount  | \$80.00    |
| 161954   | Hotspot in polycarbonate enclosure  | \$3,195.00 |
| <b>Communication Card</b>  |   |            |
| 108579   | RS-232/RS-485 port  | \$260.00   |
| 77142  | Ethernet TCP/IP   | \$420.00   |
| 108671   | Wireless LAN 802.11 B/G   | \$570.00   |
| 93245  | USB port  | \$185.00   |
| 77143  | Fiber-optic board   | \$200.00   |
| 77788  | Fiber-optic board (installed in 920i)   | \$200.00   |
| <b>Duplex Fiber (Max Run 350 ft)</b>   |   |            |
| 78026  | Fiber-optic cable, 100 ft   | \$175.00   |
| 78027  | Fiber-optic cable, 200 ft   | \$328.00   |
| 78910  | Fiber-optic cable, custom length  | \$1.75/ft  |
| <b>Home Run Cable</b>  |   |            |
| 116587   | EL166 16 gauge, six conductor, shielded   | \$2.65/ft  |
| <b>Software</b>  |   |            |
| 108436   | VIRTUi <sup>2</sup> activation part number  | \$500.00   |
| 112262   | Firmware update flash cable   | \$50.00    |
| <b>920i<sup>®</sup> Indicators for use with iQUBE<sup>2</sup>, requires version 4 software</b> |   |            |
| 77790  | 920i Universal, 115 VAC, without A/D  | \$2,500.00 |
| 77791  | 920i Universal, 230 VAC, without A/D  | \$2,500.00 |
| 93243  | 920i Deep Universal, 115 VAC, without A/D   | \$2,725.00 |
| 93244  | 920i Deep Universal, 230 VAC, without A/D   | \$2,725.00 |
| 77792  | 920i Panel Mount, 115 VAC, without A/D  | \$2,500.00 |
| 77793  | 920i Panel Mount, 230 VAC, without A/D  | \$2,500.00 |
| 77794  | 920i Wall Mount, 115 VAC, without A/D   | \$3,225.00 |
| 77795  | 920i Wall Mount, 230 VAC, without A/D   | \$3,225.00 |
| <b>1280 Indicators for use with iQUBE<sup>2</sup></b>  |   |            |
| 189623   | 1280 7 inch touch-only, AC power supply, no power cord, standard display, without A/D         | \$2,880.00 |
| 188526   | 1280 7 inch touch-only, AC power supply, no power cord, high visibility display, without A/D  | \$2,980.00 |
| 188395   | 1280 12 inch touch-only, AC power supply, no power cord, high visibility display, without A/D | \$3,605.00 |
| 181073   | 1280 Panel Mount, DC power supply, no power cord, standard display, without A/D               | \$2,880.00 |
| 178473   | 1280 Panel Mount, AC power supply, no power cord, high visibility display, without A/D        | \$2,980.00 |
| 205677   | 1280 Wall Mount, AC power supply, U.S. power cord, standard display, without A/D              | \$3,480.00 |
| 171667   | 1280 Wall Mount, AC power supply, U.S. power cord, high visibility display, without A/D       | \$3,580.00 |
| 174750   | 1280 Panel Mount, AC power supply, no power cord, standard display, without A/D               | \$2,880.00 |
| 174207   | 1280 Universal, AC power supply, Europe power cord, standard display, without A/D             | \$3,080.00 |
| 171582   | 1280 Universal, AC power supply, U.S. power cord, standard display, without A/D               | \$3,080.00 |
| 188713   | 1280 Universal, DC power supply, no power cord, standard display, without A/D                 | \$3,080.00 |
| 171540   | 1280 Universal, DC power supply, no power cord, high visibility display, without A/D          | \$3,180.00 |
| 172419   | 1280 Universal, AC power supply, U.S. power cord, high visibility display, without A/D        | \$3,180.00 |



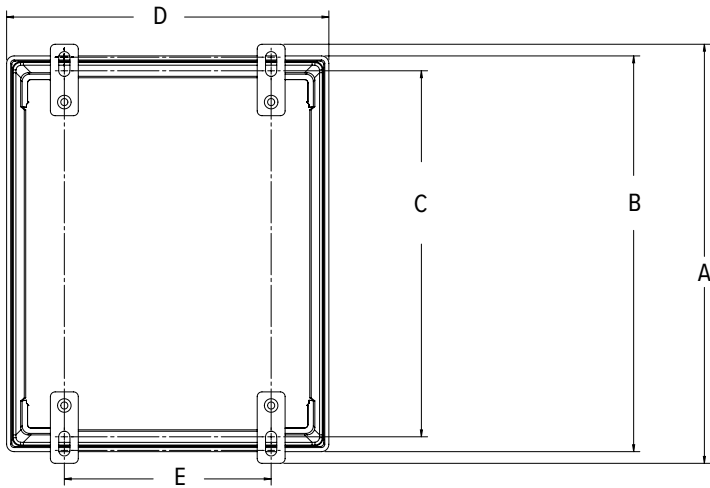
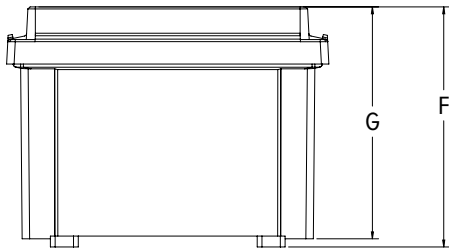
## Sample Configurations\*

\*Not an actual system—illustrates connectivity



Dimensions

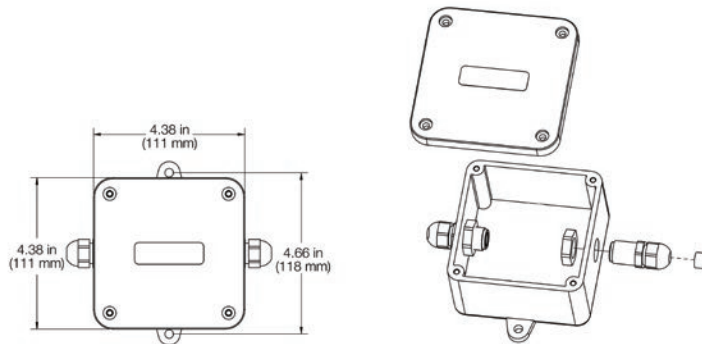
| iQUBE <sup>2</sup>        |                                   |   |                  |
|---------------------------|-----------------------------------|---|------------------|
| Stainless Steel 8 × 10 in |                                   |   |                  |
| A                         | 11.50 in (292 mm)                 | E | 6.00 in (152 mm) |
| B                         | 10.30 in (262 mm)                 | F | 4.30 in (109 mm) |
| C                         | 10.90 in (277 mm)                 | G | 4.20 in (107 mm) |
| D                         | 8.30 in (211 mm)                  |   |                  |
| POLY 8 × 10 in            |                                   |   |                  |
| A                         | 10.10 in (257 mm)                 | E | 4.00 in (102 mm) |
| B                         | 9.50 in (241 mm)                  | F | 6.00 in (152 mm) |
| C                         | 8.50 to 9.30 in (216 to 236 mm)   | G | 5.70 in (145 mm) |
| D                         | 7.40 in (188 mm)                  |   |                  |
| POLY 10 × 12 in           |                                   |   |                  |
| A                         | 12.10 in (307 mm)                 | E | 6.00 in (152 mm) |
| B                         | 11.50 in (292.1 mm)               | F | 7.00 in (178 mm) |
| C                         | 10.50 to 11.30 in (267 to 287 mm) | G | 6.70 in (170 mm) |
| D                         | 9.30 in (236 mm)                  |   |                  |





## Part Number/Price

| Part # | Description                 | Price   |
|--------|-----------------------------|---------|
| 21161  | EL168 one-cell junction box | \$80.00 |



## Standard Features

- Non-metallic PVC enclosure with separate input and output cable fittings
- No soldering, compression or swaged fittings are required

## Applications

- For splicing or extending load cell cable

## Specifications

## Dimensions:

(L × W × H)  
4.0 × 4.0 × 2.5 in

## Temperature Range:

Operating: 0 °F to 122 °F (-18 °C to 50 °C)

## Temperature:

Operating Range  
0 °F to 122 °F (-18 °C to 50 °C)

## Cable Fittings:

Nylon waterproof strain-relief type

## Cable Diameter:

0.079 to 0.314 in (2 to 8 mm)

## Terminal Block:

Rated 300 V/15 A; seven-position, screw terminal can each accommodate up to #16 AWG

## Warranty:

One-year limited

## TP75 DC

Transient Protection



## Standard Features

- Protects load cells and indicators from voltage transients
- Avalanche diode design
- Full six-wire with shield protection
- NEMA Type 4X enclosure
- Unlimited number of parallel load cells; up to eight in series
- Terminal lugs provided

## Applications

- Tank, bin and hopper scales
- Truck and railroad scales
- Suitable for outdoor use

## Part Number/Price

| Part # | Description                  | Price    |
|--------|------------------------------|----------|
| 33185  | TP75 DC transient protection | \$335.00 |

## Options/Accessories

| Part # | Description        | Price    |
|--------|--------------------|----------|
| 31164  | Circuit board only | \$260.00 |

## Specifications

## Protection Type:

Six-wire type with separate shield

## Maximum Excitation Voltage:

22.8 VDC

## Response Time:

Five nanoseconds

## Peak Surge Currents:

100 amps

## Grounding:

10 AWG wire or larger (not provided)

## Cable Fitting:

Two nylon strain relief for 0.187 to 0.312 in diameter cable

## Enclosure:

Impact-resistant polycarbonate NEMA Type 4X, maximum 40 psi washdown

## Temperature:

Operating :  
-4 °F to 149 °F (-20 °C to 65 °C)

## Dimensions:

(L × W × H)  
3.16 × 2.20 × 1.18 in

## Warranty:

One-year limited

# UJB3T6 DC

Transient Protection



## Standard Features

- Protects load cells from voltage transients
- Compatible with signals down to 1  $\mu$ V per grad
- Factory serviceable
- Full six-wire with shield protection
- #6 SEMS screw type; accepts spade lugs, tinned leads or bare wires up to #12 AWG
- Up to eight parallel or summed load cells

## Applications

- Installations exposed to significant transients
- Protects serial communication lines

## Specifications

### Protection Type:

Six-wire type with separate shield

### Maximum Excitation Voltage:

20 VDC or 20 VAC

### Clamping Voltage:

75 VDC or 75 VAC

### Clamping Time:

75 VDC Stages <100 nanoseconds typical

### Peak Surge Currents:

75 VDC Stage, 5,000 amps

### Maximum Serial Transmission Rate:

50K baud

### Series Resistance:

0.219 ohm typical

### Series Inductance:

110  $\mu$ H typical

### Grounding:

20 ft insulated #10 AWG wire

### Cable Fitting:

Two nylon strain relief for 0.079 to 0.236 in diameter cable

### Enclosure:

NEMA Type 4X, maximum 40 psi washdown  
Fiberglass Reinforced Polyester (FRP)

### Temperature Range:

Operating:  
4 °F to 104 °F (-10 °C to 40 °C)

### Circuit Board:

6.75  $\times$  4.75 in with anti-fungal coating

### Dimensions:

(L  $\times$  W  $\times$  H)  
7.63  $\times$  6.63  $\times$  3.25 in

### Warranty:

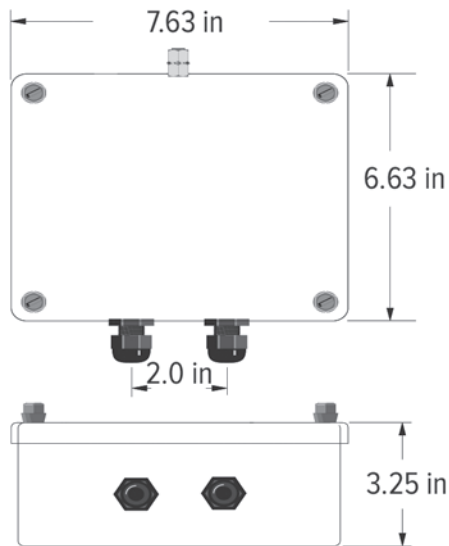
One-year limited

## Part Number/Price

| Part # | Description | Price    |
|--------|-------------|----------|
| 21134  | UJB3T6      | \$495.00 |

## Options/Accessories

| Part # | Description  | Price    |
|--------|--|----------|
| 21135  | Six-wire load cell transient protector, board only | \$285.00 |





Approvals



### Part Number/Price

| Part # | Description | Price    |
|--------|-------------|----------|
| 69201  | TP232       | \$187.00 |

### Options/Accessories

| Part # | Description                    | Price   |
|--------|--------------------------------|---------|
| 17778  | 12 in ground strap             | \$22.00 |
| 17781  | 24 in ground strap             | \$22.00 |
| 69516  | Additional installation manual | \$6.00  |

### Standard Features

- Two metal mounting brackets
- Three stages of protection: Gas discharge tube, series resistor and transient voltage suppressor (TVS)
- Two terminal posts for ground
- RS-232 high energy surge protector
- Terminal blocks for transmit, receive, request to send, clear to send and signal ground
- Safe for use with computers and PLCs
- Also works with RS-485, RS-422 and 20 mA

### Applications

- Indicators
- Remote displays
- Printers
- Computers
- PLC

### Specifications

#### Clamping Voltage (Stage One):

72 V DC minimum, 108 V DC maximum

#### Series Resistance (Stage Two):

2.7 ohm

#### Clamping Voltage (Stage Three):

14.3 V minimum, 15.7 V maximum

#### Temperature:

Operating Range  
0 °F to 122 °F (-18 °C to 50 °C)

#### Clamping Time:

Less than 5 × 10<sup>-9</sup> seconds

#### Connectors:

Five-position terminal blocks

#### Dimensions:

(L × W × H)  
Approximately 4.5 × 3.3 × 1.8 in

#### Approvals:

CE marked

#### Warranty:

One-year limited

# Ranger 1

## Variable Range Simulator



### Part Number/Price

| Part # | Description                       | Price    |
|--------|-----------------------------------|----------|
| 68029  | Ranger 1 variable range simulator | \$160.00 |

### Options/Accessories

| Part # | Description                    | Price   |
|--------|--------------------------------|---------|
| 21116  | Cable (4 ft) with banana plugs | \$68.00 |

### Standard Features

- ABS plastic case, weighs less than 1 lb
- Large vernier knob, smooth 10-turn potentiometer
- Ideal tool for troubleshooting a scale system, bench testing stability of indicators and setpoint simulation
- Binding posts are color coded to ISA S37.8 standard

### Specifications

#### Variable Range:

0 to 3 mV/V

#### Impedance:

700 ohm nominal

#### Temperature:

Operating Range  
0 °F to 122 °F (-18 °C to 50 °C)

#### Connectors:

Binding posts suitable for banana plug or  
14 gauge wire

#### Temperature Coefficient:

±100 ppm/°C

#### Dimensions:

(L × W × H)  
4.5 × 3.5 × 1.25 in  
(114 × 89 × 32 mm)

#### Warranty:

One-year limited

# Ranger 3

Variable Range Simulator



## Part Number/Price

| Part # | Description        | Price    |
|--------|--------------------|----------|
| 68030  | Ranger 3 simulator | \$425.00 |

## Options/Accessories

| Part # | Description                    | Price   |
|--------|--------------------------------|---------|
| 21116  | Cable (4 ft) with banana plugs | \$68.00 |

## Standard Features

- ABS plastic case, weighs less than 1 lb
- Fixed rotary switch, -0.5 mV/V to 4.5 mV/V in nine steps of 0.5 mV/V per step
- Ideal tool for calibrating the indicator A/D offset and gain setting
- A/D calibration steps for -0.5 mV/V for offset and 4.5 mV/V for gain
- Used in testing, troubleshooting and calibrating digital weight indicators
- Binding posts are color coded to ISA S37.8 standard

## Specifications

**Range:**  
-0.5 mV/V to 4.5 mV/V

**Impedance:**  
350 ohm nominal

**Nonlinearity:**  
Less than 0.02%

**Connectors:**  
Binding posts suitable for banana plug or 14-gauge wire

**Temperature Coefficient:**  
±5 ppm/ °C

**Dimensions:**  
(L × W × H)  
4.5 × 3.5 × 1.25 in

**Warranty:**  
One-year limited

# Transducer Simulator 4



## Part Number/Price

| Part # | Description            | Price    |
|--------|------------------------|----------|
| 22513  | Transducer simulator 4 | \$835.00 |

## Options/Accessories

| Part # | Description                    | Price   |
|--------|--------------------------------|---------|
| 21116  | Cable (4 ft) with banana plugs | \$68.00 |

## Standard Features

- Designed for high accuracy
- Sealed lid with neoprene O-ring
- Dustproof and crush tested to 500 lb
- Four operational modes include: vernier adjustment, calibrated adjustment, 0.25 mV/V offset and 0.50 mV/V offset
- Ideal for setpoint or batching simulation

## Specifications

**Range:**  
Choose any fixed setting ± 0.25 mV or 0.50 mV through a 10-turn wire-wound potentiometer with locking clutch, fixed and variable

**Maximum Voltage:**  
15 V

**Linearity:**  
Less than ± 0.02% full scale

**Temperature Coefficient:**  
Absolute 5 ppm/ °C; tracking less than 0.5 ppm/ °C

**Load Factors:**  
Simulates one, two, three, four or eight 350 ohm load cells; or two, four, six, eight or 16 700 ohm load cells

**Offset:**  
+0.25 mV/V for use with digitally calibrated meters requiring positive dead load for calibration

**Connectors:**  
Six-way binding posts, suitable for loose wires or banana jacks

**Warranty:**  
One-year limited

# Ranger 5

Variable Range Simulator



## Standard Features

- ABS plastic case, weighs less than 1 lb
- Fixed rotary switch, -0.5 mV/V to 4.5 mV/V in nine steps of 0.5 mV/V per step
- 10-turn vernier knob with locking graduated dial
- Vernier selection of four ranges: Off, Fine, Medium and Coarse
- Ideal tool for calibrating indicator A/D offset and gain setting
- A/D calibration steps for -0.5 mV/V for offset and 4.5 mV/V for gain
- Used in testing, troubleshooting and calibrating digital weight indicators
- Binding posts are color coded to ISA S37.8 standard

## Specifications

### Fixed Steps:

-0.5 mV/V to 4.5 mV/V

### Vernier:

Variable range: up to 0.5 mV/V, up to 1 mV/V, up to 1.5 mV/V

### Impedance:

350 ohm nominal

### Nonlinearity:

Less than 0.02%

### Connectors:

Binding posts suitable for banana plug or 14 gauge wire

### Temperature Coefficient:

± 5 ppm/ °C

### Dimensions:

(L × W × H)  
4.5 × 3.5 × 1.25 in

### Warranty:

One-year limited

## Part Number/Price

| Part # | Description        | Price    |
|--------|--------------------|----------|
| 68031  | Ranger 5 simulator | \$510.00 |

## Options/Accessories

| Part # | Description                    | Price   |
|--------|--------------------------------|---------|
| 21116  | Cable (4 ft) with banana plugs | \$68.00 |

# Ranger 7

Variable Range Simulator



## Standard Features

- High resolution design
- Used in high precision testing, troubleshooting and calibrating digital weight indicators
- Switchable offset
- Painted die-cast enclosure

## Specifications

### Vernier:

Two ranges; one is equal to the sum of the 0.05 mV/V switch and the 0 to 0.5 mV/V switch. The other is the sum of the 0.5 mV/V, 0.1 mV/V and 0.01 mV/V switches.

### Load Impedance:

Three settings:  
X0.5: 700 ohm  
X1: 350 ohm (one standard load cell)  
X4: 87.5 ohm (four load cell platform)

### Linearity:

± 0.01% + 1µV

### Connectors:

Low Thermal Electronics, Type 2758 precision gold plated binding posts, standard banana jacks or 14 AWG wire

### Temperature Coefficient:

5 ppm/ °C

### Zero Offset:

± 0.0005 mV/V

### Output Range:

0 to 3 mV/V in 0.01 mV/V steps

### LED Annunciators:

EXC +  
EXC -  
Offset ON  
0.5 mV/V  
0.1 mV/V

### Warranty:

One-year limited

## Part Number/Price

| Part # | Description                                    | Price    |
|--------|--|----------|
| 157323 | Ranger 7 high resolution calibration simulator | \$995.00 |

## Options/Accessories

| Part # | Description                    | Price   |
|--------|--------------------------------|---------|
| 21116  | Cable (4 ft) with banana plugs | \$68.00 |

JUNCTION BOXES /  
SIMULATORS

## This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.