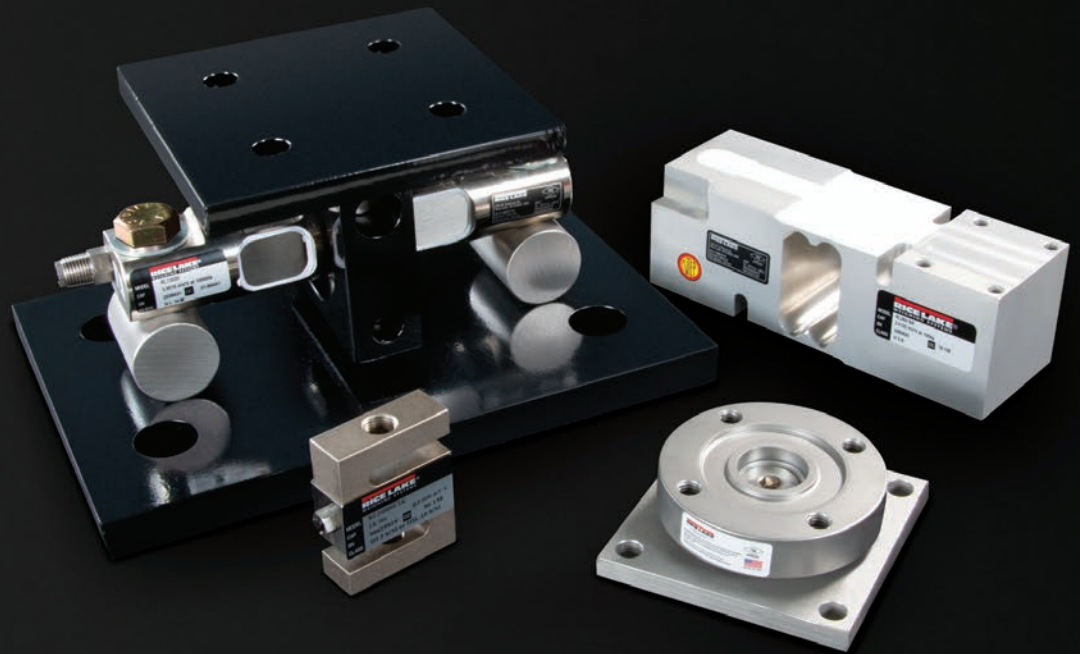


# 2023 LOAD CELL GUIDE



**RICE LAKE**  
WEIGHING SYSTEMS

800-472-6703

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## Rice Lake, WI

### ES-111

Fundamentals of Electronic Systems

February 6-10

April 17-21

June 26-30

August 7-11

September 18-22

December 11-15

### ES-222

Advanced Scale System Troubleshooting

January 23-27

May 8-12

August 21-25

October 23-27

### ES-300

1280 Enterprise Workshop

March 6-10

November 6-10

### ES-301

Indicator iRite Programming

March 13-17

November 13-17

## Online

### ES-111

Fundamentals of Electronic Systems

### ES-222

Advanced Scale System Troubleshooting

### SB-111

Setpoints and Batching

## Other Locations

### Handbook 44 Training

January 12 ..... Tampa, FL

February 21 ..... Las Vegas, NV

March 16 ..... Baltimore, MD

April 6 ..... Boise, ID

May 9 ..... Concord, CA

September 19 .... Denver, CO

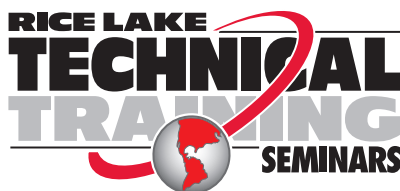
October 19 ..... Cleveland, OH

November 14 ..... Dallas, TX

PERSONAL INTERACTIONS WITH INSTRUCTORS



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# Table of Contents

## Customer Assistance

Shipping Information.....	4
Customer Service Contacts.....	6
Customer Assistance.....	10
Terms and Conditions.....	11
Warranty and Limitation of Liability.....	13
Using Ingress Protection (IP) Ratings.....	17
Weigh Module Application.....	18

## Survivor® Weigh Modules

Table of Contents.....	21
SURVIVOR® Paramounts® HE.....	22
RL1700 HE.....	23
RL1600 HE.....	24
RL1855 HE-HS.....	25
RL2100 HE.....	26

## Rice Lake Weigh Modules

Table of Contents.....	27
ITCM.....	28
ITCM SS.....	29
ITCM HE.....	30
RL50210TA.....	31
65059.....	33
RL50219SS-TA.....	35
Paramounts® EP.....	37
Paramounts® HS.....	39
RLBTM.....	41
RL1800 Series.....	42
RL1800 Series Painted Load Cell Version.....	44
RL1900 Series.....	45
RLTM.....	46
RL2200SS Series.....	47
RL9000TWM Series.....	48
RL9000TWM-HT.....	51
RL2200 Series.....	52
RLC.....	53
220 Universal Mount.....	54
EZ Mount 1 with RL72020.....	56
EZ Mount 1 SS with RL72020SS.....	58
EZ Mount 1 with Painted RL72020P.....	60
EZ Mount 1 with Painted RL72020P.....	61
EZ Mount 1 with RL70000.....	62
EZ Mount 1 with RL70000.....	63
EZ Mount 1 with RL70000SS.....	64
EZ Mount 1 with Painted RL70000.....	65
EZ Mount 1 HE.....	66
RL1600 Series.....	67
RL1600 Series.....	69
RL1600 Series SS.....	71
RL1600 Series Painted Load Cell Version.....	73

MVS Mount/MVS.....	74
Translink™ Parallel Link.....	75
Motor Truck Scale Electronic Conversion Kit.....	76
MagnaMount®.....	77
Mettler Toledo® DigiTOL® Retrofit Kit.....	78
Electronic Floor Scale Underdeck Kits.....	80

## Rice Lake Load Cells

Table of Contents.....	81
S-BEAM	
RL20000I.....	92
RL20000SS.....	93
RL20000ST.....	94
RL20001I.....	95
RL20001HE.....	96
RL2TS.....	97
SINGLE-ENDED BEAM	
RL32022.....	98
RL32022S.....	99
RL32018.....	100
RL32018 Painted.....	101
RL32018S.....	102
RL32018S-P.....	103
RL32018S-HE.....	104
RL32019S-HE.....	105
RL32218S-HE.....	106
RL9018SS.....	107
RL30000I.....	108
RL30002 Thru Hole.....	109
RLH35.....	110
RL39123.....	111
RL32018S-T.....	112
RL30745.....	113
RL35023S Painted.....	114
RLHTO.....	115
RLSSB.....	116
RLSB250/RLSB250T.....	117
RL50219SS.....	118
RL50210.....	119
RL60040SST.....	120
RL40BBS.....	121
RL32011WB-L.....	122
RL32011WB-T.....	123
DOUBLE-ENDED BEAM	
RL72020.....	124
RL72020SS.....	125
RL72020P.....	126
RL72019SS.....	127
RL70000.....	128
RL70000 Painted.....	129
RL70000SS.....	130
RL75016.....	131

RL75016 Painted.....	132
RL75016SS.....	133
RL75016SS-W.....	134
RL75016WHE.....	135
RL75058I.....	136
RL75058I for Rice Lake Coil Scale.....	137
RL75058-LP.....	138
RL75058S-LP.....	139
RL75060S.....	140
RL75223.....	141
RLDB50000S.....	142
RL75040.....	143
COMPRESSION CANISTER	
RLCSP1.....	144
RL8C2P1SST.....	145
ROCKER COLUMN	
RLSCA-50K.....	146
RL70510-30t/RL80453-100,000 lb.....	147
RL75114-50K.....	148
COMPRESSION DISK	
RL90000.....	149
RLPC3SS.....	150
RLPC4SS-HE.....	151
SINGLE POINT	
RLPC6.....	152
RLPWM15HE.....	153
RLPWM15.....	154
RLPCBC-60.....	155
RL1521A.....	156
RL1010.....	157
RLSP4.....	158
RLPWM12.....	159
RLPWM16.....	160
RL1042.....	161
RL1040.....	162
RL1140.....	163
RL1380.....	164
RL1385.....	165
RL1260.....	166
RL260FD.....	167
RL26018A.....	168
RL1218A.....	169
RL42018A.....	170
RLFLS.....	171
PLANAR BEAM	
RLBLP.....	172
TENSION LINK	
RL2010.....	173
MSI Load Pin Sensors.....	174
MSI Load Pin Questionnaire.....	175
MSI Tension Link Load Cell.....	176
MSI Clamp-On Load Cell.....	177

# Table of Contents

## VPG® BLH

Table of Contents.....	179
COMPRESSION CANISTER	
C2P1 .....	180
C3P1 .....	181
TENSION CANISTER	
T2P1 .....	182
T3P1 .....	183

## VPG Celtron

Table of Contents.....	185
S-BEAM	
STC Low Capacity.....	187
STC .....	188
STC SS .....	189
STC-HSS .....	190
SINGLE-ENDED BEAM	
SQB .....	191
SQB-HSS .....	192
MBB .....	193
SEB .....	194
DSR .....	195
CLB .....	196
SINGLE POINT	
LPS .....	197
LOC Heavy Capacity .....	198
COMPRESSION DISK	
LCD .....	199

## Flintec

Table of Contents.....	201
S-BEAM	
UB1 .....	204
UB6 .....	205
SINGLE-ENDED BEAM	
SLB .....	206
SB4 .....	207
SB5 .....	208
BK2 .....	209
SB6 .....	210
SB10 .....	211
SB14 .....	212
ROCKER COLUMN	
RC1 .....	213
RC3 .....	214
SINGLE POINT	
PCB .....	215
PC1 .....	216
PC3 .....	217

PC4 .....	218
PC6 .....	219
PC7 .....	220
PC2 .....	221
PLANAR BEAM	
PB .....	222

## HBK

Table of Contents.....	223
SINGLE-ENDED BEAM	
H35 .....	224
BBS .....	225
Z6 .....	226
ROCKER COLUMN	
C16A .....	227
SINGLE POINT	
SP4M .....	228
PW15 .....	229
PW15AH .....	230
PWS .....	231

## Interface

Table of Contents.....	233
COMPRESSION DISK	
1200 Series .....	234
3200 Series .....	235
TENSION/COMPRESSION	
SML .....	236
WMC .....	237
WMC Miniature Sealed .....	238

## VPG Reverse

Table of Contents.....	239
S-BEAM	
363 .....	243
9363 .....	244
BSP .....	245
SINGLE-ENDED BEAM	
5123 .....	246
9123 .....	247
9523 .....	248
ACB .....	249
9102 .....	250
5102 .....	251
5723 .....	252
SHB .....	253
SSB .....	254
DOUBLE-ENDED BEAM	
5103 .....	255
9103 .....	256

5223 .....	257
9223 .....	258
9803 .....	259
9323 .....	260
9423 .....	261

## COMPRESSION CANISTER

ASC .....	262
RLC .....	263
CP .....	264
CSP .....	265
792 .....	266
SINGLE POINT	
462 .....	267
HPS .....	268
HPSM .....	269
LOAD CELL	
AX3040 .....	270

## VPG Sensortronics

Table of Contents.....	271
S-BEAM	
60001 .....	275
60050 .....	276
60063 .....	277
SINGLE-ENDED BEAM	
65023A-5297 .....	278
65023A-5107-10 .....	279
65023A-5507 .....	280
65023A .....	281
65023SS .....	282
65023S .....	283
65083 .....	284
65083S .....	285
60040 .....	286
SINGLE POINT	
60048SS .....	287
60051 .....	288
60060 .....	289
DOUBLE-ENDED BEAM	
65016 .....	290
65016W .....	291
65016WH .....	292
65058A .....	293
65058S .....	294
65061A .....	295
65040A .....	296
65040S .....	297
65040A-1127W .....	298
ROCKER COLUMN	
65114 .....	299

# Table of Contents

## VPG Tedea-Huntleigh

Table of Contents.....	301
S-BEAM	
620.....	305
SINGLE-ENDED BEAM	
3411/3421.....	306
3510-NTEP.....	307
3510-OIML.....	308
355.....	309
SINGLE POINT	
1022.....	310
1010/1015.....	311
1030.....	312
1042.....	313
1040.....	314
1130.....	315
1140.....	316
1240.....	317
1142.....	318
1260.....	319
1260S.....	320
1263.....	321
1250.....	322
1320.....	323
1510.....	324
240.....	325
9010.....	326
PLANAR BEAM	
380.....	327
COMPRESSION DISK	
220.....	328
120.....	329
VPG Tedea-Huntleigh Model 9010 Application Definition Form.....	330

## Hardware and Accessories

Table of Contents.....	331
Load Cell Mounting Hardware Safety Guidelines.....	332
Mounting Assembly Component Identification.....	333
Jam Nuts.....	333
Eye Nuts.....	334
Clevis Mount Assemblies.....	334
Coupling Nuts.....	334
Load Cell Eye Bolts.....	335
Rod End Ball Joints.....	336
Connecting Links.....	336
Load Cell Isolators.....	337

Threaded Adaptors.....	337
ITCM Hardware Kits.....	338
Grounding Strap.....	339
Ball Bearings.....	339
Load Receiver Plate.....	339
Load Cups.....	339
Wire Rope Assemblies.....	340
Cardinal® Wire Rope Assemblies.....	340
Custom Wire Ropes.....	340
Custom Wire Rope Definition Form.....	341
Spherical Washer Sets.....	342
Load Cell Spacers.....	342
Load Button.....	342
Weldless End Links.....	342
Load Button Insert Kit.....	343
Flintec™ Adjustable Rubber Foot.....	343
Bench Scale Feet.....	343
Surefoot™.....	343
Polyurethane Rubber Leveling Feet.....	344
Captured Ball Floor Scale Leveling Feet.....	344
Leveling Mount.....	345
Leveling Pads.....	345
Leveling Pad Stems.....	345
RoughDeck® Scale Base.....	346
Summit® 3000 Scale Base.....	346
Floor Scale Base.....	346
Complete Custom Cable Services.....	347
EL147, 6 Wire.....	348
EL147RP Plus, 6 Wire.....	348
EL147HE, 6 Wire.....	349
EL147IS, 6 Wire.....	349
EL146, 4 Wire.....	350
EL146HE, 4 Wire.....	350
Fiber-Optic Cable.....	351
EL144 Communications Cable.....	351
BCD Cable.....	351
SURVIVOR® EL620HE.....	352
EL148HE Mettler Toledo®.....	352
Mettler Toledo® Power Cell®.....	352
SURVIVOR® Cable Armor.....	352
Cord Grip Assemblies.....	353
EL214 Cable Splicing Kit.....	353
Load Cell Conduit Adaptors.....	353
EL214T Cable Splicing Kit.....	354
EL215 Cable Splicing Kit.....	354
Flintec™ Load Cell Cable.....	354
Five-Position Connectors, Shell Plugs, Receptacles.....	355

Seven-Position Connectors, Shell Plugs, Receptacles.....	355
Six-Position Connectors, Shell Plugs, Receptacles.....	355
T-Grip Molding.....	356
T-Strip Molding.....	356
Electronic Scale Tickets.....	357
Mechanical Scale Tickets.....	358
Printer Dust Covers.....	358
Printer Cables.....	359
Static Brushes.....	360
Ionizing Strips.....	360
Desiccants.....	360
Crimper and Lead Seals.....	360
Ionizing Strip Accessories.....	360
Industrial Corrosion Inhibitor.....	360
Static Control Table Mat and Floor Mat.....	361
Static Control Wrist Strap.....	361
Static Shielding Bags.....	361
Static-Safe Service Kit.....	361
Rice Lake's Scale Technician Kits.....	362

## Junction Boxes

JB4SS.....	364
JB4ES.....	365
JB4SP and JB4SPT.....	366
JB4EP and JB4EPT.....	367
EL204.....	368
EL504.....	369
JB8SP.....	370
JB8SPT.....	371
EL304A.....	372
JB1010T.....	373
JB1010ST.....	374
Replacement Junction Boxes, Boards or Components.....	375
iQUBE2®.....	376
EL168.....	379
TP75 DC.....	379
UJB3T6 DC.....	380
TP232.....	381
Ranger 1.....	381
Ranger 3.....	382
Transducer Simulator 4.....	382
Ranger 5.....	383
Ranger 7.....	383



# 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



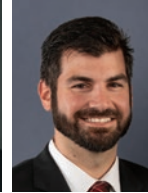
**Chris Hanson**  
Mid-Southeast Region  
715-434-5069



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



**Monte Martinson**  
Upper Midwest Region  
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**Gabriel Ruberti**  
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715-434-5157



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



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



**Tommy Nix**  
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715-434-5047



**Steve Delaney**  
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**Jon Spencer**  
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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-  
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



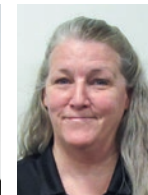
**Bob Davis**  
Field Sales Engineer



**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 \_\_\_\_\_

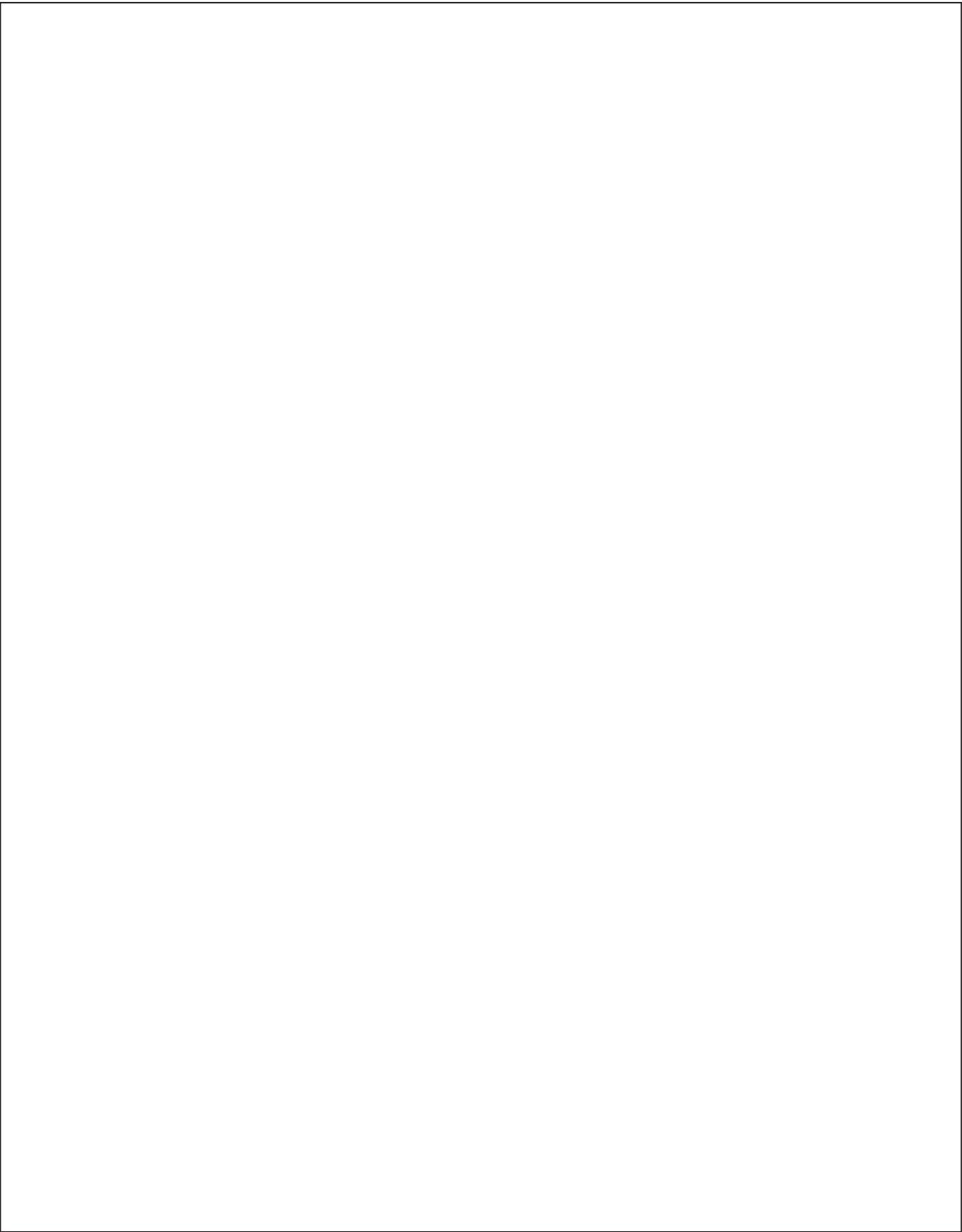
Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

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# Survivor Weigh Modules

TABLE OF CONTENTS

**SURVIVOR® Paramounts® HE .....22**  
*Medium-capacity Weigh Module Systems*

**RL1700 HE .....23**  
*Light- to Medium-capacity Weigh Modules*

**RL1600 HE .....24**  
*Medium-capacity Weigh Modules*

**RL1855 HE-HS.....25**  
*Medium-capacity Weigh Modules*

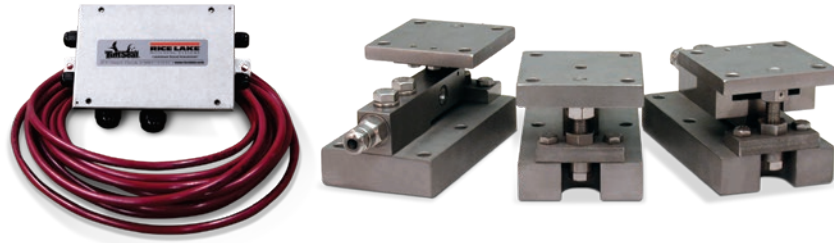
**RL2100 HE .....26**  
*Heavy-capacity Weigh Modules*

SURVIVOR  
WEIGH MODULES

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# SURVIVOR® Paramounts® HE

Medium-capacity Weigh Module Systems



Picture is a representation of actual product.

SURVIVOR  
WEIGH MODULES

## Order Information

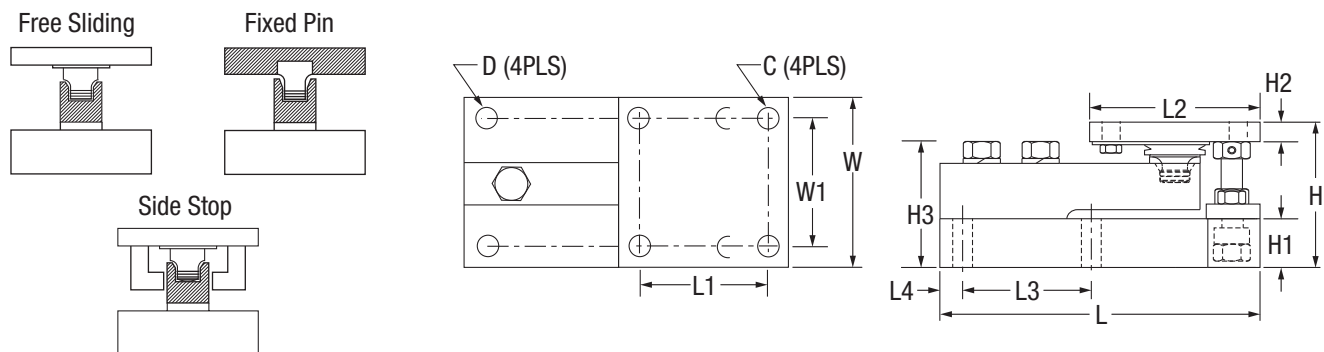
Load Rating (Per Module)	Part #	Price
<b>NTEP Certified/OIML C3 3-Module Kit</b>		
5 kN	29883	\$4,125.00
10 kN	29884	\$4,125.00
23 kN	29885	\$4,125.00
50 kN	29886	\$5,580.00
<b>NTEP Certified/OIML C3 4-Module Kit</b>		
5 kN	29879	\$5,482.00
10 kN	29880	\$5,482.00
23 kN	29881	\$5,482.00
50 kN	29882	\$7,038.00
<b>Non-NTEP Certified 3-Module Kit</b>		
2.3 kN	38207	\$4,680.00
5 kN	17991	\$4,012.00
10 kN	17992	\$4,012.00
23 kN	17993	\$4,012.00
50 kN	17994	\$5,205.00
100 kN	17995	\$5,952.00
<b>Non-NTEP Certified 4-Module Kit</b>		
2.3 kN	38208	\$5,925.00
5 kN	17998	\$5,225.00
10 kN	17999	\$5,225.00
23 kN	18000	\$5,225.00
50 kN	18001	\$6,566.00
100 kN	18002	\$8,284.00
*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														
2.3	0.38	0.44	3.49	1.00	0.50	0.75	2.98	7.51	3.00	4.00	3.00	0.50	4.00	3.00
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 or SB10 (520 lb) stainless steel hermetically sealed load cell.
- 25 ft of our hostile environment EL147HE SURVIVOR load cell cable

## Standard Features

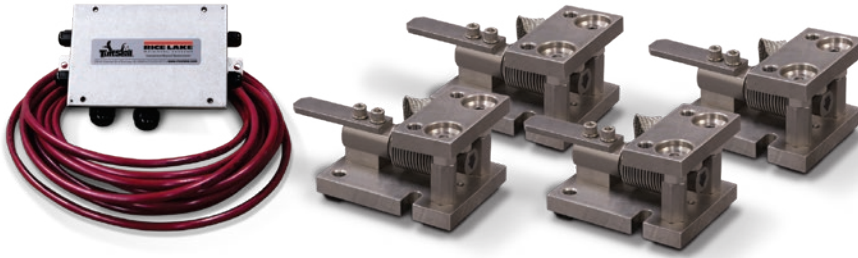
- Capacities (per module): (2.3 to 100 kN)
- All stainless steel construction
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Hermetically sealed, stainless steel load cells
- Load cell outputs are mV/V/ohm calibrated to minimizing 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





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	\$975.00
10 kg	32688	\$975.00
20 kg	32689	\$975.00
50 kg	32690	\$975.00
100 kg	32691	\$975.00
200 kg	32692	\$975.00
250 kg	32693	\$975.00
500 kg	32974	\$1,187.00
1,000 kg	32973	\$1,187.00
2,000 kg	32972	\$1,187.00
5,000 kg	32971	\$1,463.00
<b>3-Module Kit</b>		
5 kg	32920	\$3,143.00
10 kg	32921	\$3,143.00
20 kg	32922	\$3,143.00
50 kg	32923	\$3,143.00
100 kg	32924	\$3,143.00
200 kg	32925	\$3,143.00
250 kg	32926	\$3,143.00
500 kg	32980	\$3,763.00
1,000 kg	32981	\$3,763.00
2,000 kg	32982	\$3,763.00
5,000 kg	32983	\$4,690.00
<b>4-Module Kit</b>		
5 kg	32927	\$4,150.00
10 kg	32928	\$4,150.00
20 kg	32929	\$4,150.00
50 kg	32930	\$4,150.00
100 kg	32931	\$4,150.00
200 kg	32932	\$4,150.00
250 kg	32933	\$4,150.00
500 kg	32984	\$4,955.00
1,000 kg	32985	\$4,955.00
2,000 kg	32986	\$4,955.00
5,000 kg	32987	\$5,856.00

## 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

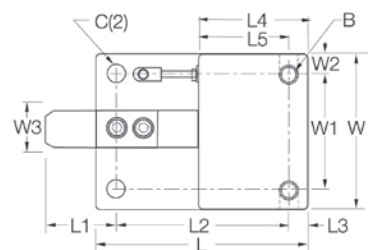
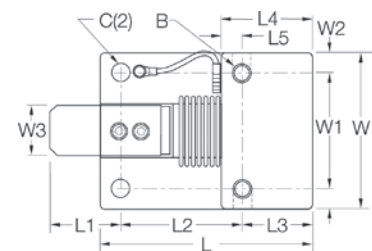
## Applications

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

## Load Cell Approvals



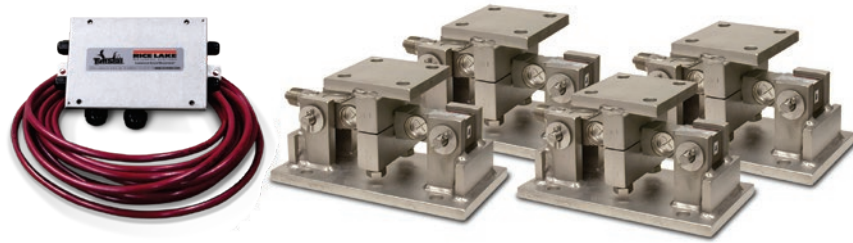
5 kg - 250 kg capacities



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	17813	\$657.00
10,000 to 25,000 lb	17815	\$1,283.00
<b>3-Module Kit</b>		
1,000 lb	46723	\$4,563.00
1,500 lb	119673	\$4,563.00
2,000 lb	119675	\$4,563.00
2,500 lb	46724	\$4,563.00
5,000 lb	46725	\$4,563.00
10,000 lb	46726	\$6,540.00
15,000 lb	46727	\$6,540.00
20,000 lb	84664	\$6,540.00
25,000 lb	46728	\$6,540.00
<b>4-Module Kit</b>		
1,000 lb	46729	\$5,753.00
1,500 lb	119674	\$5,753.00
2,000 lb	119676	\$5,753.00
2,500 lb	46730	\$5,753.00
5,000 lb	46731	\$5,753.00
10,000 lb	46732	\$8,554.00
15,000 lb	46733	\$8,554.00
20,000 lb	84665	\$8,554.00
25,000 lb	46734	\$8,554.00
<b>Dummy Load Cells (Mild Steel)</b>		
1,000 to 5,000 lb	18236	\$26.00
10,000 to 25,000 lb	18237	\$42.00

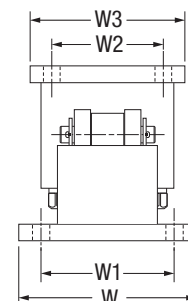
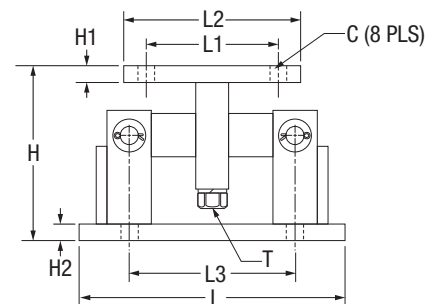
## Shims\*

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

## 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

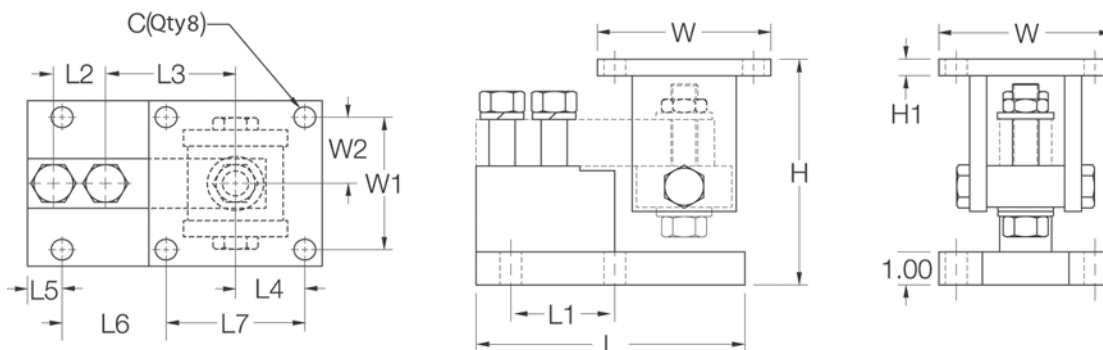


## Order Information

Load Rating (Per Module)	Part #	Price
<b>Single Modules (Includes Load Cell)</b>		
1,000 lb	170857	\$1,060.00
2,500 lb	170858	\$1,060.00
4,000 lb	170859	\$1,060.00
5,000 lb	170860	\$1,140.00
10,000 lb	170861	\$1,140.00
<b>3-Module Kit</b>		
1,000 lb	170862	\$3,339.00
2,500 lb	170863	\$3,339.00
4,000 lb	170864	\$3,339.00
5,000 lb	170865	\$3,588.00
10,000 lb	170866	\$3,588.00
<b>4-Module Kit</b>		
1,000 lb	170867	\$4,340.00
2,500 lb	170868	\$4,340.00
4,000 lb	170869	\$4,340.00
5,000 lb	170870	\$4,728.00
10,000 lb	170871	\$4,728.00

## Dimensions

Rated Capacity C	C	H min/ 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



# 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 III/10,000 d, Class III 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

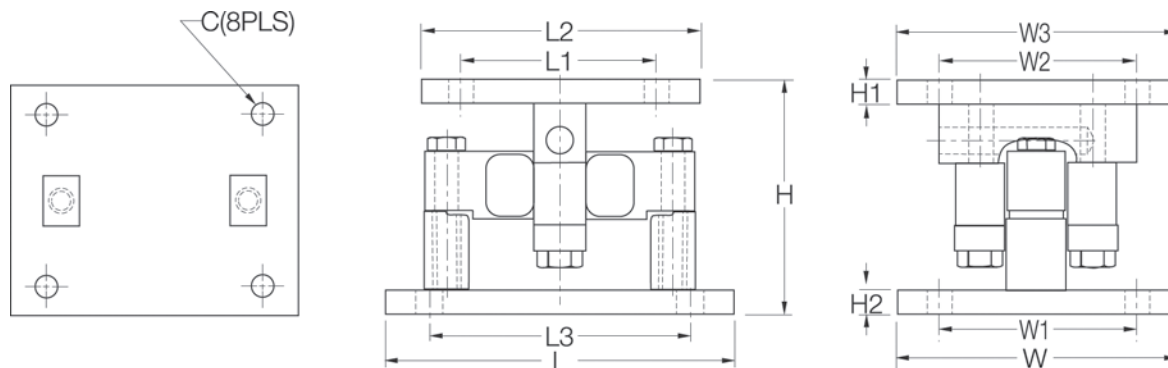


## Order Information

Load Rating (Per Module)	Part #	Price
<b>Single Module (Includes Load Cell)</b>		
20,000 lb	32951	\$1,749.00
25,000 lb	65541	\$1,749.00
35,000 lb	32952	\$2,793.00
50,000 lb	32953	\$2,793.00
60,000 lb	32954	\$2,793.00
75,000 lb	32955	\$2,793.00
100,000 lb	32956	\$4,790.00
<b>3-Module Kit</b>		
20,000 lb	32970	\$5,500.00
25,000 lb	65984	\$5,500.00
35,000 lb	32969	\$8,660.00
50,000 lb	32968	\$8,660.00
60,000 lb	32967	\$8,660.00
75,000 lb	32966	\$8,660.00
100,000 lb	32965	\$14,268.00
<b>4-Module Kit</b>		
20,000 lb	32964	\$7,260.00
25,000 lb	65983	\$7,260.00
35,000 lb	32963	\$11,114.00
50,000 lb	32962	\$11,114.00
60,000 lb	32961	\$11,114.00
75,000 lb	32960	\$11,114.00
100,000 lb	32959	\$18,942.00

## 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	16.00	6.50	9.00	11.50	10.00	7.50	6.50	9.00



# Weigh Modules

## TABLE OF CONTENTS

<b>ITCM</b> .....	<b>28</b>	<b>EZ Mount 1 with RL70000</b> .....	<b>62</b>
<i>Isolated Tension Cell Modules</i>		<i>Mild Steel Weigh Modules, Rice Lake Weighing Systems</i>	
<b>ITCM SS</b> .....	<b>29</b>	<b>EZ Mount 1 with RL70000SS</b> .....	<b>64</b>
<i>Stainless Steel Isolated Tension Cell Modules</i>		<i>Stainless Steel Weigh Modules, Rice Lake Weighing Systems</i>	
<b>ITCM HE</b> .....	<b>30</b>	<b>EZ Mount 1 with Painted RL70000</b> .....	<b>65</b>
<i>Stainless Steel, Welded Seal, NTEP Certified Isolated Tension Cell Modules</i>		<i>Rice Lake Weighing Systems</i>	
<b>RL50210TA</b> .....	<b>31</b>	<b>EZ Mount 1 HE</b> .....	<b>66</b>
<i>Mini Tank Weighing Module</i>		<i>Stainless Steel Weigh Modules, Rice Lake Weighing Systems</i>	
<b>65059</b> .....	<b>33</b>	<b>RL1600 Series</b> .....	<b>67</b>
<i>Mini Tank Weighing Module, VPG Sensortronics</i>		<i>Cast Iron Weigh Modules</i>	
<b>RL50219SS-TA</b> .....	<b>35</b>	<b>RL1600 Series</b> .....	<b>69</b>
<i>Mini Tank Weighing Module, Stainless Steel</i>		<i>Mild Steel Weigh Modules</i>	
<b>Paramounts® EP</b> .....	<b>37</b>	<b>RL1600 Series SS</b> .....	<b>71</b>
<i>Environmentally Protected, Mild Steel, Light- to Medium-capacity Tank Weighing Systems</i>		<i>Stainless Steel Weigh Modules</i>	
<b>Paramounts® HS</b> .....	<b>39</b>	<b>RL1600 Series Painted Load Cell Version 73</b>	
<i>Hermetically Sealed, Mild Steel, Light- to Medium-capacity Tank Weighing Systems</i>		<i>Stainless Steel Weigh Modules</i>	
<b>RLBTM</b> .....	<b>41</b>	<b>MVS Mount/MVS</b> .....	<b>74</b>
<i>Mild Steel/Stainless Steel Weigh Modules</i>		<i>Conversion Kit</i>	
<b>RL1800 Series</b> .....	<b>42</b>	<b>Translink™ Parallel Link</b> .....	<b>75</b>
<i>Mild Steel/Stainless Steel Weigh Modules</i>		<i>Truck Scale Assembly, Rice Lake Weighing Systems</i>	
<b>RL1800 Series Painted Load Cell Version</b> .....	<b>44</b>	<b>Motor Truck Scale Electronic Conversion Kit. 76</b>	
<i>Stainless Steel Weigh Modules</i>		<i>Rice Lake Weighing Systems</i>	
<b>RL1900 Series</b> .....	<b>45</b>	<b>MagnaMount®</b> .....	<b>77</b>
<i>Stainless Steel Weigh Modules</i>		<i>Tank, Truck and Railroad Track Assembly</i>	
<b>RLTM</b> .....	<b>46</b>	<b>Mettler Toledo® DigiTOL® Retrofit Kit</b> .....	<b>78</b>
<i>Stainless Steel Tank Weigh Modules</i>		<i>Stainless Steel, Rice Lake Weighing Systems/Flintec</i>	
<b>RL2200SS Series</b> .....	<b>47</b>	<b>Electronic Floor Scale Underdeck Kits</b> .....	<b>80</b>
<i>Stainless Steel, Tank, Hopper and Vessel Weighing Assembly</i>			
<b>RL9000TWM Series</b> .....	<b>48</b>		
<i>Stainless Steel, Tank, Hopper and Vessel Weighing Assembly</i>			
<b>RL9000TWM-HT</b> .....	<b>51</b>		
<i>Tank, Hopper and Vessel Weigh Module</i>			
<b>RL2200 Series</b> .....	<b>52</b>		
<i>Tank, Hopper and Vessel Weighing Assembly</i>			
<b>RLC</b> .....	<b>53</b>		
<i>Stainless Steel Weigh Modules, VPG Reverse</i>			
<b>220 Universal Mount</b> .....	<b>54</b>		
<i>Stainless Steel Weigh Modules, VPG Teda-Huntleigh</i>			
<b>EZ Mount 1 with RL72020</b> .....	<b>56</b>		
<i>Mild Steel Weigh Modules, Rice Lake Weighing Systems</i>			
<b>EZ Mount 1 SS with RL72020SS</b> .....	<b>58</b>		
<i>Stainless Steel Weigh Modules, Rice Lake Weighing Systems</i>			
<b>EZ Mount 1 with Painted RL72020P</b> .....	<b>60</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

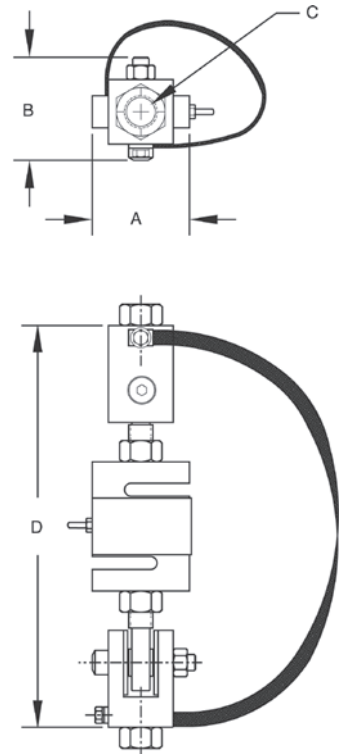
- Capacities (per module): 100 to 20,000 lb
- Clevis mounts with nylon insulating washers
- 20,000 lb ITCM rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loading 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 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 1/2-13 UNC	7.00 (ref)	17851 17831	\$556.00 \$556.00	18003 18004	\$1,935.00 \$1,935.00	18027 18028	\$2,493.00 \$2,493.00
150	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	30337 30336	\$556.00 \$556.00	30357 30358	\$1,935.00 \$1,935.00	30359 30360	\$2,493.00 \$2,493.00
200	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	30335 30338	\$556.00 \$556.00	30361 30362	\$1,935.00 \$1,935.00	30363 30364	\$2,493.00 \$2,493.00
250	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	17852 17832	\$556.00 \$556.00	18005 18006	\$1,935.00 \$1,935.00	18029 18030	\$2,493.00 \$2,493.00
500	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17853 17858 17833	\$609.00 \$609.00 \$609.00	18007 18008 18009	\$2,078.00 \$2,078.00 \$2,078.00	18031 18032 18033	\$2,682.00 \$2,682.00 \$2,682.00
750	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17854 17859 17834	\$609.00 \$609.00 \$609.00	18010 18011 18012	\$2,078.00 \$2,078.00 \$2,078.00	18034 18035 18036	\$2,682.00 \$2,682.00 \$2,682.00
1,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17855 17860 17835	\$609.00 \$609.00 \$609.00	18013 18014 18015	\$2,078.00 \$2,078.00 \$2,078.00	18037 18038 18039	\$2,682.00 \$2,682.00 \$2,682.00
1,500	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17856 17861 17836	\$609.00 \$609.00 \$609.00	18016 18017 18018	\$2,078.00 \$2,078.00 \$2,078.00	18040 18041 18042	\$2,682.00 \$2,682.00 \$2,682.00
2,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17857 17862 17837	\$609.00 \$609.00 \$609.00	18019 18020 18021	\$2,078.00 \$2,078.00 \$2,078.00	18043 18044 18045	\$2,682.00 \$2,682.00 \$2,682.00
2,500	2.68	2.68	5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17863 17838	\$609.00 \$609.00	18022 18023	\$2,078.00 \$2,078.00	18046 18047	\$2,682.00 \$2,682.00
3,000	3.37	3.37	3/4-10 UNC	10.50 (ref)	30339	\$636.00	30365	\$2,199.00	30366	\$2,793.00
5,000	3.37	3.37	3/4-10 UNC 1-8 UNC	12.25 (ref)	17864 17839	\$832.00 \$832.00	18024 18025	\$2,743.00 \$2,743.00	18048 18049	\$3,577.00 \$3,577.00
10,000	3.37	3.37	1-8 UNC	12.25 (ref)	17840	\$832.00	18026	\$2,743.00	18050	\$3,577.00
15,000	4.00	4.12	1 1/4-7 UNC	18.00 (ref)	17960	\$1,722.00	30353	\$5,438.00	30354	\$7,134.00
20,000	5.00	4.12	1 1/2-6 UNC	20.00 (ref)	17961	\$2,030.00	30355	\$5,438.00	30356	\$8,358.00







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

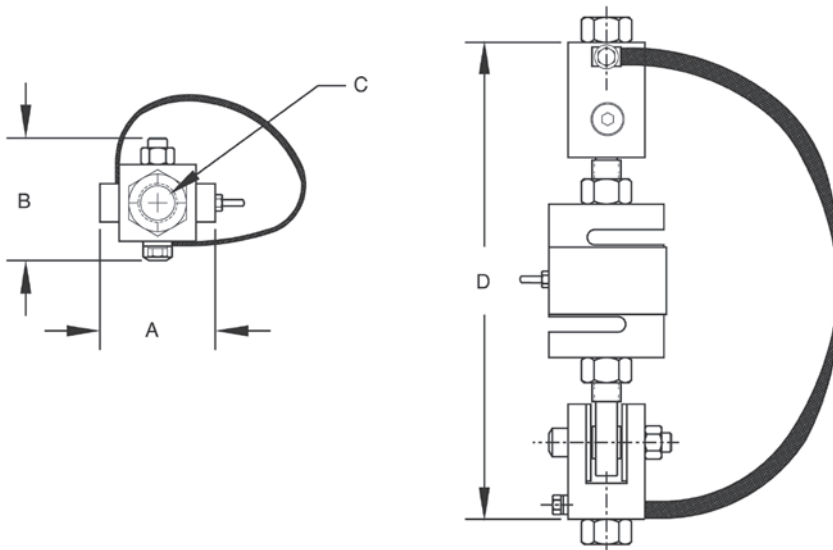
- Capacities (per module): 100 to 5,000 lb
- Clevis mounts with nylon insulating washers
- PTFE-lined rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loading 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 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 1/2-13 UNC	7.00 (ref)	46765	\$874.00	46735	\$2,782.00	46751	\$3,562.00
250	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	46766	\$874.00	46736	\$2,782.00	46752	\$3,562.00
500	2.68	2.68	1/2-13 UNC 5/8-11 UNC	9.50 (ref)	46767	\$874.00	46737	\$2,782.00	46753	\$3,562.00
750	2.68	2.68	1/2-13 UNC 5/8-11 UNC	9.50 (ref)	46768	\$874.00	46738	\$2,782.00	46754	\$3,562.00
1,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC	9.50 (ref)	46769	\$874.00	46739	\$2,782.00	46755	\$3,562.00
2,500	2.68	2.68	5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46770	\$874.00	46740	\$2,782.00	46756	\$3,562.00
3,000	3.37	3.37	3/4-10 UNC	10.75 (ref)	46771	\$874.00	46741	\$2,782.00	46757	\$3,562.00
5,000	3.37	3.37	3/4-10 UNC	12.00 (ref)	46772	\$874.00	46742	\$2,782.00	46758	\$3,562.00
					46773	\$874.00	46743	\$2,782.00	46759	\$3,562.00
					46774	\$874.00	46744	\$2,782.00	46760	\$3,562.00
					46775	\$874.00	46745	\$2,782.00	46761	\$3,562.00
					46776	\$874.00	46746	\$2,782.00	46762	\$3,562.00
					46777	\$938.00	46747	\$3,069.00	46763	\$3,842.00
					46778	\$1,627.00	46748	\$5,067.00	46764	\$6,560.00



# 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

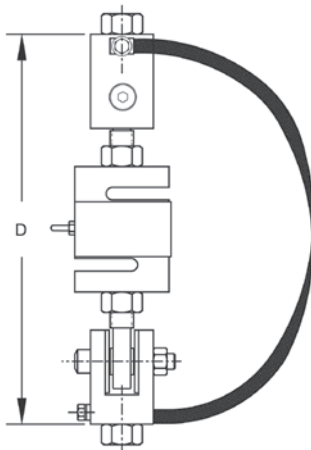
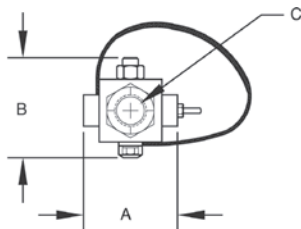
- Capacities (per module): 500 to 5,000 lb
- Clevis mounts with nylon insulating washers
- PTFE-lined rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loading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

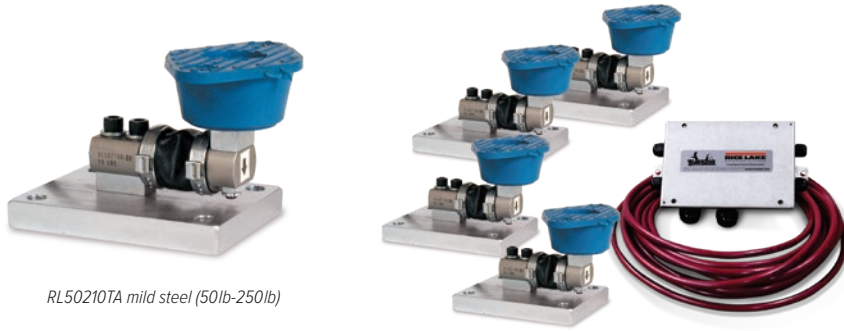
Load Cell Capacity	A	B	C	D	Single Module	Price	3-Module Kit	Price	4-Module Kit	Price
lb/in										
500	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46599 46600 46601	\$1,600.00 \$1,600.00 \$1,600.00	46561 46562 46563	\$4,675.00 \$4,675.00 \$4,675.00	46580 46581 46582	\$6,233.00 \$6,233.00 \$6,233.00
750	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46602 46603 46604	\$1,600.00 \$1,600.00 \$1,600.00	46564 46565 46566	\$4,675.00 \$4,675.00 \$4,675.00	46583 46584 46585	\$6,233.00 \$6,233.00 \$6,233.00
1,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46605 46606 46607	\$1,600.00 \$1,600.00 \$1,600.00	46567 46568 46569	\$4,675.00 \$4,675.00 \$4,675.00	46586 46587 46588	\$6,233.00 \$6,233.00 \$6,233.00
1,500	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46608 46609 46610	\$1,600.00 \$1,600.00 \$1,600.00	46570 46571 46572	\$4,675.00 \$4,675.00 \$4,675.00	46589 46590 46591	\$6,233.00 \$6,233.00 \$6,233.00
2,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46611 46612 46613	\$1,600.00 \$1,600.00 \$1,600.00	46573 46574 46575	\$4,675.00 \$4,675.00 \$4,675.00	46592 46593 46594	\$6,233.00 \$6,233.00 \$6,233.00
2,500	2.68	2.68	5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46614 46615	\$1,600.00 \$1,600.00	46576 46577	\$4,675.00 \$4,675.00	46595 46596	\$6,233.00 \$6,233.00
3,000	3.37	3.37	3/4-10 UNC	10.00 (ref)	46616	\$1,600.00	46578	\$4,675.00	46597	\$6,233.00
5,000	3.37	3.37	3/4-10 UNC	12.62 (ref)	46617	\$2,375.00	46579	\$7,006.00	46598	\$9,290.00



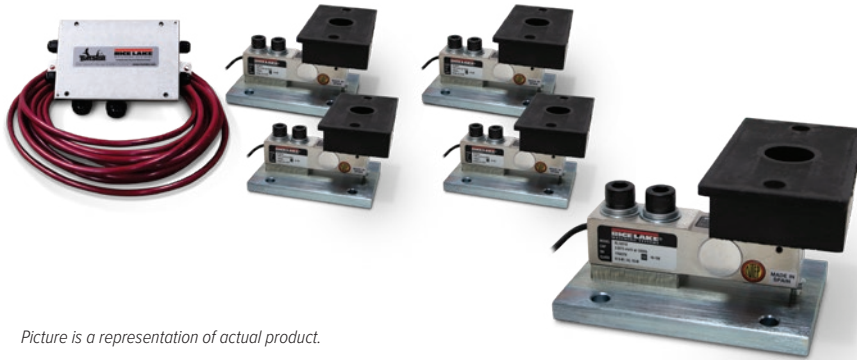
WEIGH MODULES

# 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	\$460.00
100 lb	17845	\$460.00
150 lb	17846	\$460.00
250 lb	17847	\$460.00
500 lb	17848	\$610.00
1,000 lb	17849	\$610.00
2,000 lb	17948	\$610.00
2,500 lb	17949	\$610.00
<b>Mild Steel 3-Module Kit</b>		
50 lb	18051	\$1,616.00
100 lb	18052	\$1,616.00
150 lb	18053	\$1,616.00
250 lb	18054	\$1,525.00
500 lb	18055	\$2,088.00
1,000 lb	18056	\$2,088.00
2,000 lb	30398	\$2,088.00
2,500 lb	30396	\$2,088.00
<b>Mild Steel 4-Module Kit</b>		
50 lb	18057	\$2,078.00
100 lb	18058	\$2,078.00
150 lb	18059	\$2,078.00
250 lb	18060	\$2,078.00
500 lb	18061	\$2,645.00
1,000 lb	18062	\$2,645.00
2,000 lb	30397	\$2,645.00
2,500 lb	30395	\$2,645.00

# RL50210TA

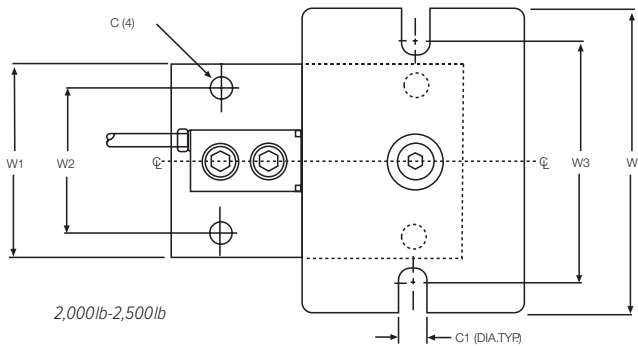
Mini Tank Weighing Module

## Order Information

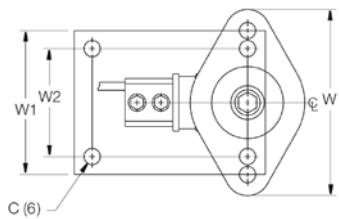
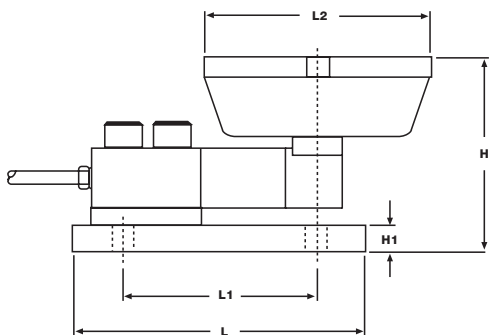
Load Rating (Per Module)	Part #	Price
Stainless Steel Single Module (Includes Load Cell)		
500 lb	17954	\$715.00
1,000 lb	17955	\$675.00
2,000 lb	17956	\$675.00
2,500 lb	17957	\$675.00
Stainless Steel 3-Module Kit		
500 lb	30394	\$2,375.00
1,000 lb	30404	\$2,375.00
2,000 lb	30402	\$2,375.00
2,500 lb	30400	\$2,375.00
Stainless Steel 4-Module Kit		
500 lb	30393	\$3,111.00
1,000 lb	30403	\$2,935.00
2,000 lb	30401	\$2,935.00
2,500 lb	30399	\$2,935.00

## Dimensions

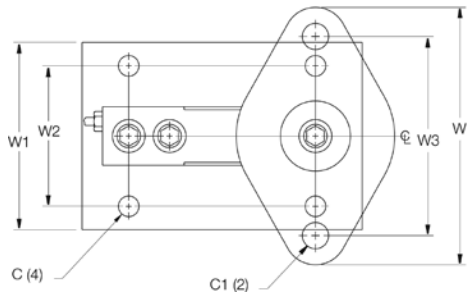
Rated Capacity	C	C1	H	H1	L	L1	L2	W	W1	W2	W3
lb/in											
50 to 250	0.34	-	3.13	0.50	4.00	3.25	2.38	3.88	3.00	2.25	-
500	0.44	0.56	3.88	0.50	6.00	4.00	3.38	5.50	4.00	3.00	4.13
1,000	0.44	-	4.00	0.50	6.00	4.00	3.00	5.13	4.00	3.00	4.13
2,000 to 2,500	0.44	0.56	4.00	0.50	6.00	4.00	4.62	6.25	4.00	3.00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



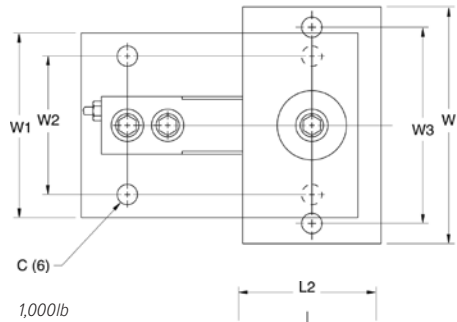
2,000lb-2,500lb



50-250lb

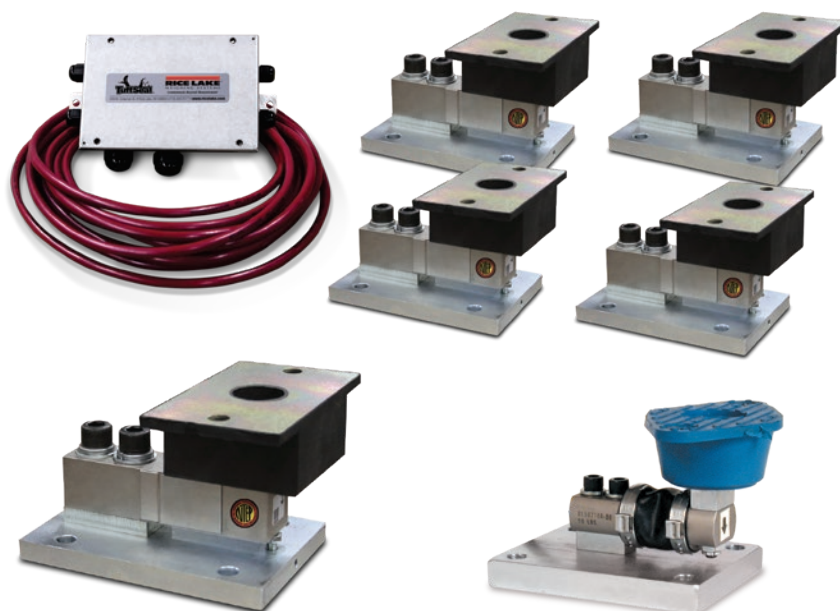


500lb



1,000lb

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	\$460.00
100 lb	17826	\$460.00
150 lb	17827	\$460.00
250 lb	17828	\$460.00
500 lb	17829	\$609.00
1,000 lb	17830	\$609.00
2,000 lb	17946	\$609.00
2,500 lb	17947	\$609.00
<b>Mild Steel 3-Module Kit</b>		
50 lb	18063	\$1,616.00
100 lb	18064	\$1,616.00
150 lb	18065	\$1,616.00
250 lb	18066	\$1,616.00
500 lb	18067	\$2,088.00
1,000 lb	18068	\$2,088.00
2,000 lb	30413	\$2,088.00
2,500 lb	30412	\$2,088.00
<b>Mild Steel 4-Module Kit</b>		
50 lb	18069	\$2,078.00
100 lb	18070	\$2,078.00
150 lb	18071	\$2,078.00
250 lb	18072	\$2,078.00
500 lb	18073	\$2,645.00
1,000 lb	18074	\$2,645.00
2,000 lb	30414	\$2,645.00
2,500 lb	30411	\$2,645.00

#### 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



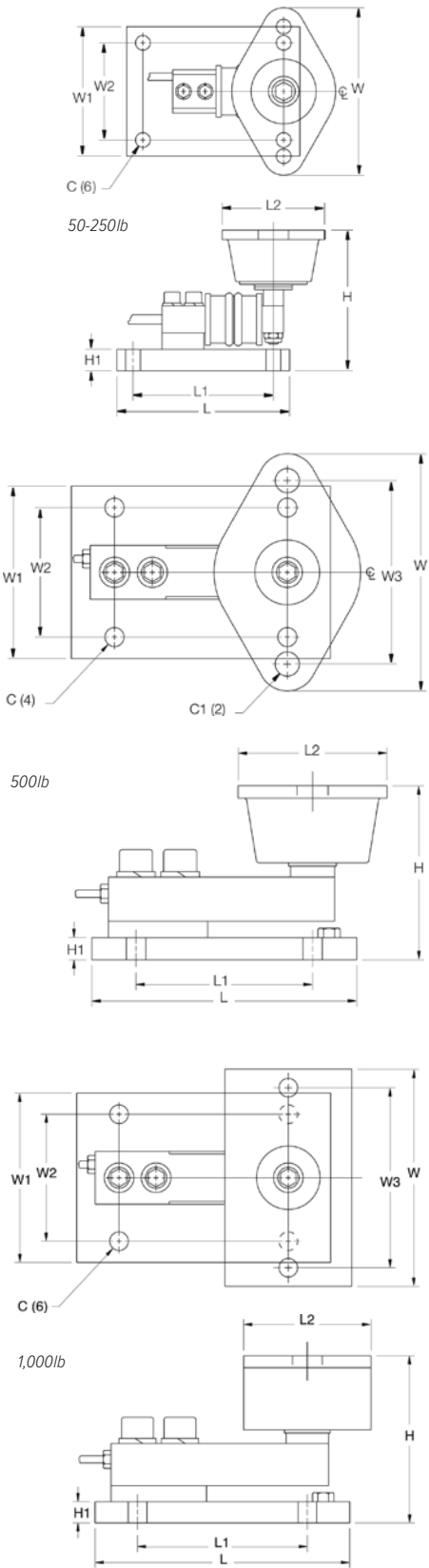
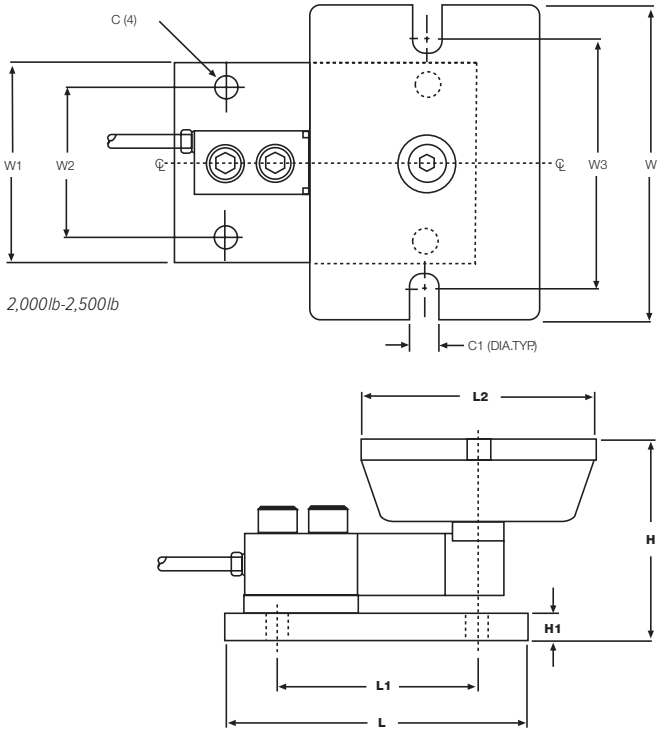
Order Information

Load Rating (Per Module)	Part #	Price
Stainless Steel Single Module (Includes Load Cell)		
500 lb	17950	\$715.00
1,000 lb	17951	\$715.00
2,000 lb	17952	\$715.00
2,500 lb	17953	\$715.00
Stainless Steel 3-Module Kit		
500 lb	30392	\$2,375.00
1,000 lb	30410	\$2,375.00
2,000 lb	30408	\$2,375.00
2,500 lb	30406	\$2,375.00
Stainless Steel 4-Module Kit		
500 lb	30391	\$3,111.00
1,000 lb	30409	\$3,111.00
2,000 lb	30407	\$3,111.00
2,500 lb	30405	\$3,111.00

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

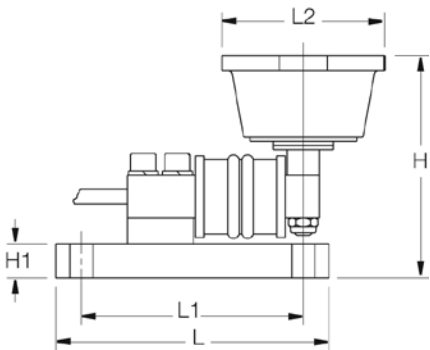
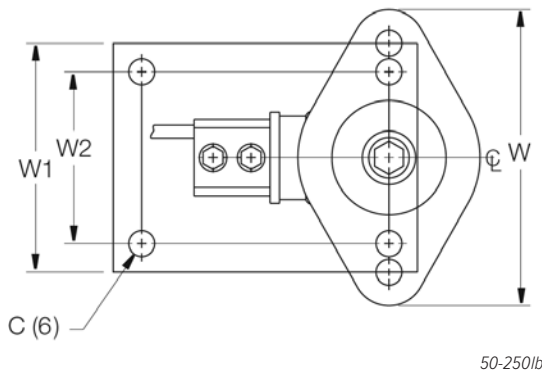
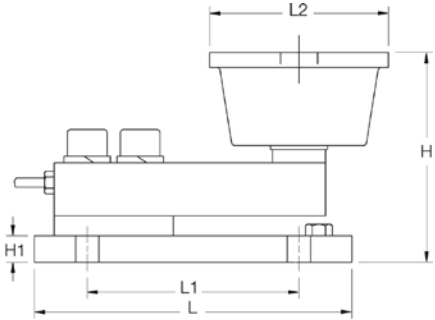
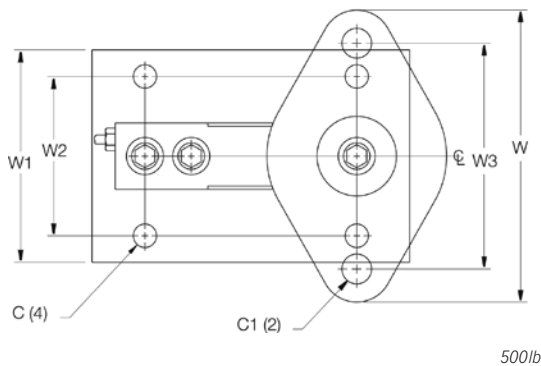
Load Rating (Per Module)	Part #	Price
<b>Single Module (Includes Load Cell)</b>		
50 lb	196829	\$695.00
75 lb	196830	\$695.00
100 lb	196831	\$695.00
150 lb	196832	\$695.00
250 lb	196833	\$695.00
500 lb	17954	\$715.00
<b>3-Module Kit</b>		
50 lb	196840	\$2,364.00
75 lb	196841	\$2,364.00
100 lb	196842	\$2,364.00
150 lb	196843	\$2,364.00
250 lb	196844	\$2,364.00
500 lb	30394	\$2,375.00
<b>4-Module Kit</b>		
50 lb	196845	\$3,058.00
75 lb	197015	\$3,058.00
100 lb	196846	\$3,058.00
150 lb	196848	\$3,058.00
250 lb	196849	\$3,058.00
500 lb	30393	\$3,111.00

# RL50219SS-TA

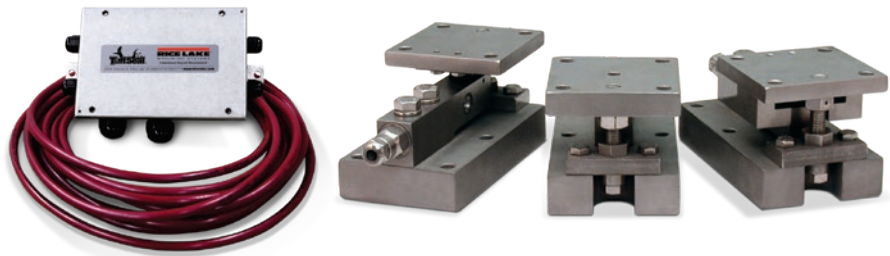
Mini Tank Weighing Module, Stainless Steel

## Dimensions

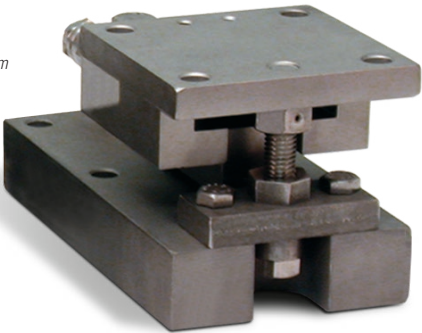
Rated Capacity	C	C1	H	H1	L	L1	L2	W	W1	W2	W3
lb/in											
50 to 250	0.34	-	3.13	0.50	4.00	3.25	2.38	3.88	3.00	2.25	-
500	0.44	0.56	3.88	0.50	6.00	4.00	3.38	5.50	4.00	3.00	4.13



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	\$2,575.00
10 kN	33682	\$2,575.00
23 kN	33681	\$2,575.00
50 kN	33680	\$2,965.00
NTEP Certified 4-Module Kits		
5 kN	33678	\$3,433.00
10 kN	33677	\$3,433.00
23 kN	33676	\$3,433.00
50 kN	33675	\$4,372.00
Non-NTEP Certified 3-Module Kit		
100 kN	33679	\$4,712.00
Non-NTEP Certified 4-Module Kit		
100 kN	33674	\$5,803.00

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

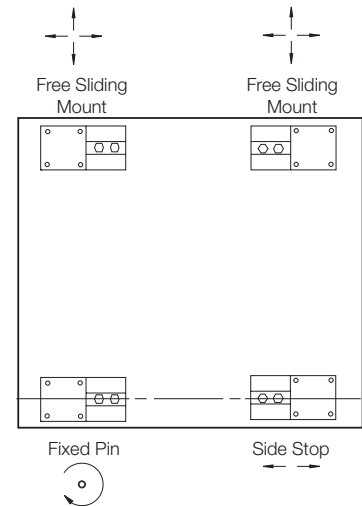
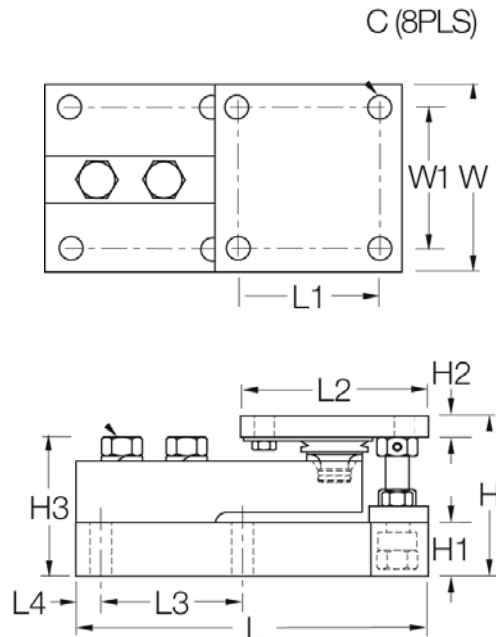
# Paramounts® EP

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

## Dimensions

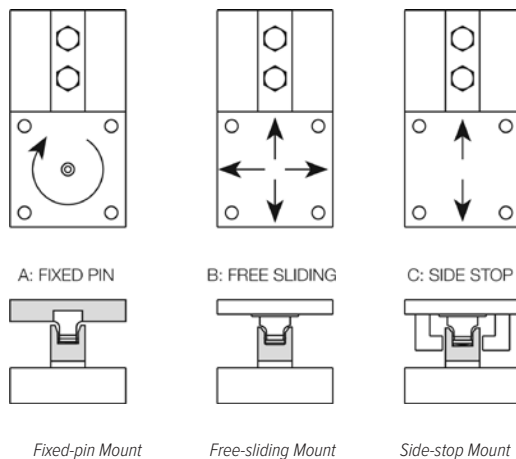
Rated Capacity	C	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1
kN/in													
5 to 23	0.44	3.58	1.25	0.50	0.75	3.06	7.51	3.00	4.00	3.00	0.50	4.00	3.00
50	0.56	4.66	1.50	0.62	1.00	4.09	9.19	3.87	5.00	3.87	0.56	5.00	3.87
100	0.69	6.41	2.00	0.75	1.25	5.73	11.46	4.75	6.00	4.75	0.69	6.00	4.75

\* 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.

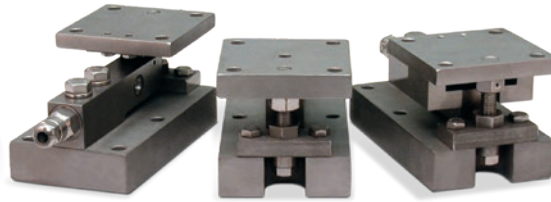


Fixed-pin Mount

Free-sliding Mount

Side-stop Mount

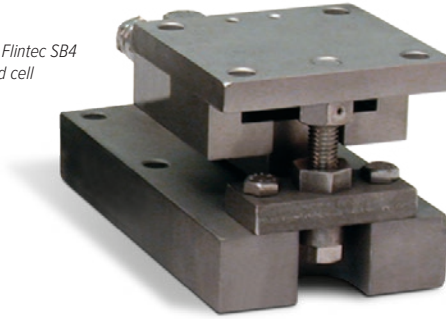




Free-sliding module with Flintec SB4 bending beam load cell

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 or SB10 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	\$3,280.00
10 kN	29872	\$3,280.00
23 kN	29873	\$3,280.00
50 kN	29874	\$4,000.00
<b>NTEP Certified 4-Module Kit</b>		
5 kN	29875	\$4,415.00
10 kN	29876	\$4,415.00
23 kN	29877	\$4,415.00
50 kN	29878	\$4,975.00
<b>Non-NTEP Certified 3-Module Kit</b>		
2.3 kN	38205	\$4,170.00
5 kN	17977	\$3,175.00
10 kN	17978	\$3,175.00
23 kN	17979	\$3,175.00
50 kN	17980	\$3,842.00
100 kN	17981	\$4,970.00

Load Rating (Per Module)	Part #	Price
<b>Non-NTEP Certified 4-Module Kit</b>		
2.3 kN	38206	\$5,560.00
5 kN	17984	\$4,192.00
10 kN	17985	\$4,192.00
23 kN	17986	\$4,192.00
50 kN	17987	\$4,755.00
100 kN	17988	\$6,000.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>		
1/2-14 NPT	17703	\$50.00

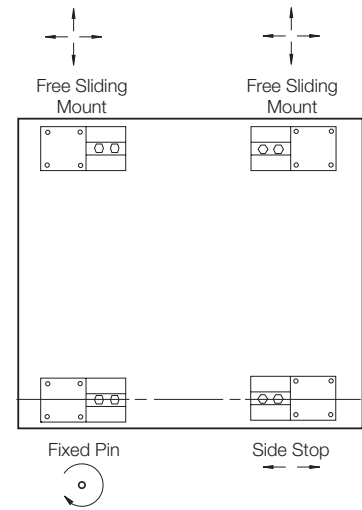
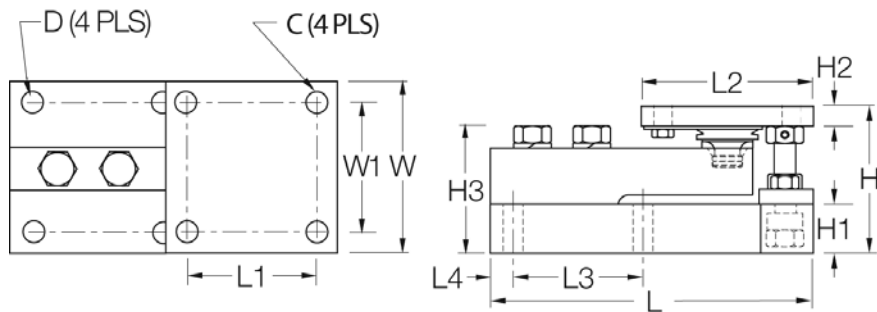
# Paramounts® HS

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														
2.3 kN	0.38	0.44	3.49	1.00	0.50	0.75	2.98	7.51	3.00	4.00	3.00	0.50	4.00	3.00
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

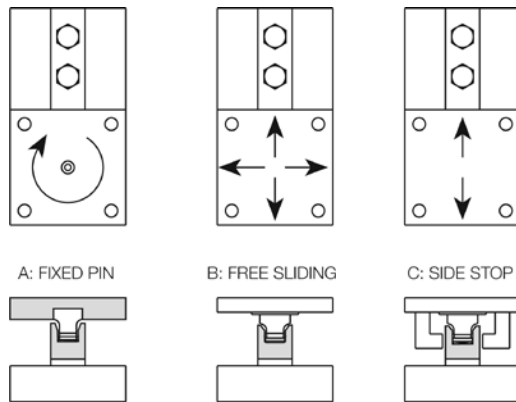
\* Side-stop and free-sliding units    \*\* Fixed-pin units



### 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.

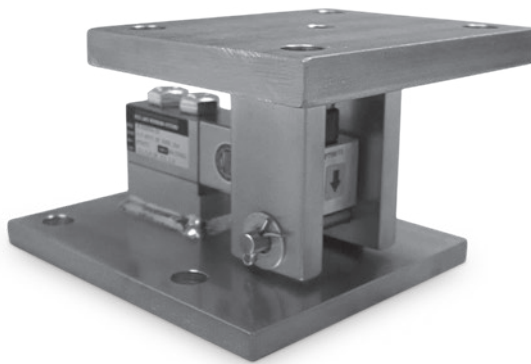
WEIGH MODULES



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
<b>Single Module (Does NOT Include Load Cell)</b>		
250 lb to 5,000 lb SE	<b>53059</b>	\$410.00

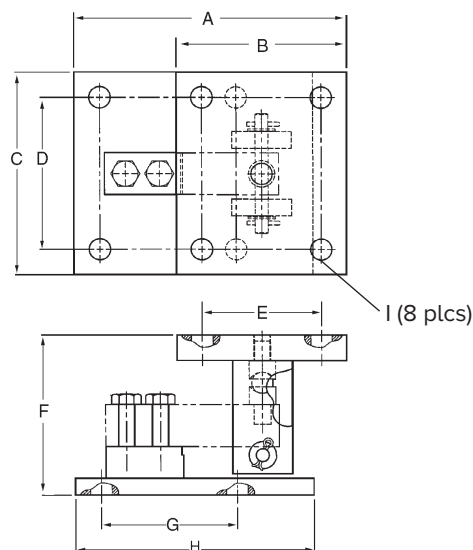
### Stainless Steel Order Information

Load Rating (Per Module)	Part #	Price
<b>Single Module (Does NOT Include Load Cell)</b>		
250 lb to 5,000 lb SE	<b>53066</b>	\$625.00

### 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



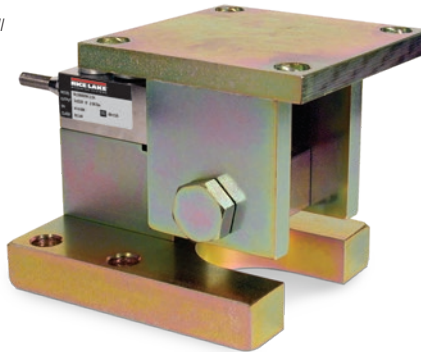
Module with RL32018 single-ended beam load cell

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>	\$380.00
5,000 lb LE to 10,000 lb	<b>17819</b>	\$408.00
<b>3-Module Kit</b>		
250 lb*	<b>18075</b>	\$2,290.00
500 lb*	<b>18076</b>	\$2,290.00
1,000 lb	<b>18077</b>	\$2,290.00
2,000 lb	<b>18078</b>	\$2,290.00
2,500 lb	<b>18079</b>	\$2,290.00
3,000 lb	<b>18080</b>	\$2,290.00
4,000 lb	<b>18081</b>	\$2,290.00
5,000 lb SE	<b>18082</b>	\$2,290.00
5,000 lb LE	<b>18083</b>	\$2,640.00
10,000 lb	<b>18084</b>	\$2,640.00
<b>4-Module Kit</b>		
250 lb*	<b>18085</b>	\$2,973.00
500 lb*	<b>18086</b>	\$2,973.00
1,000 lb	<b>18087</b>	\$2,973.00
2,000 lb	<b>18088</b>	\$2,973.00
2,500 lb	<b>18089</b>	\$2,973.00
3,000 lb	<b>18090</b>	\$2,973.00
4,000 lb	<b>18091</b>	\$2,973.00
5,000 lb SE	<b>18092</b>	\$2,973.00
5,000 lb LE	<b>18093</b>	\$3,418.00
10,000 lb	<b>18094</b>	\$3,418.00

SE=Small envelope; LE=Large envelope

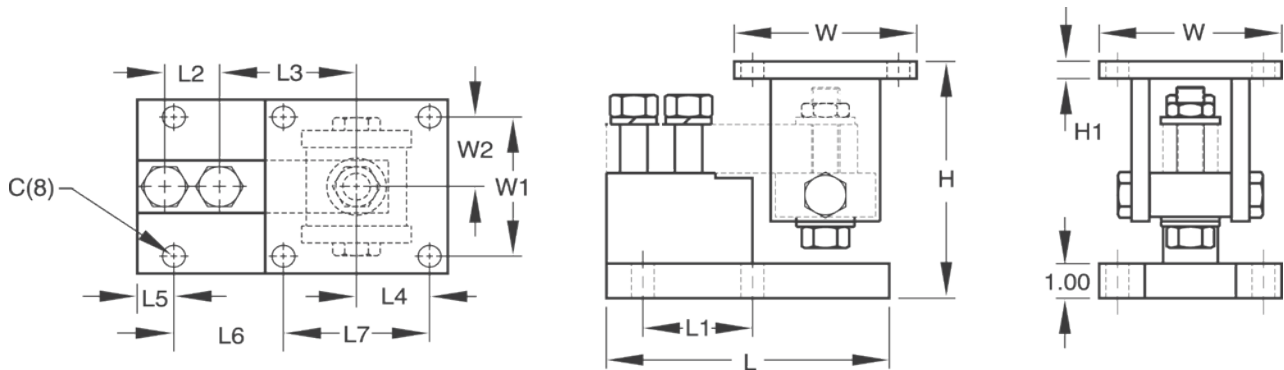
\* Non-NTEP Certified using RL30000 or RL32018 load cells.

### 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>	\$610.00
5,000 lb to 10,000 lb	<b>17820</b>	\$645.00
<b>3-Module Kit</b>		
1,000 lb	<b>18095</b>	\$3,100.00
2,000 lb	<b>18096</b>	\$3,100.00
2,500 lb	<b>18097</b>	\$3,100.00
4,000 lb	<b>18099</b>	\$3,100.00
5,000 lb LE	<b>18100</b>	\$3,355.00
10,000 lb	<b>18101</b>	\$3,355.00
<b>4-Module Kit</b>		
1,000 lb	<b>18102</b>	\$4,129.00
2,000 lb	<b>18103</b>	\$4,129.00
2,500 lb	<b>18104</b>	\$4,129.00
4,000 lb	<b>18106</b>	\$4,129.00
5,000 lb LE	<b>18107</b>	\$4,478.00
10,000 lb	<b>18108</b>	\$4,478.00
<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

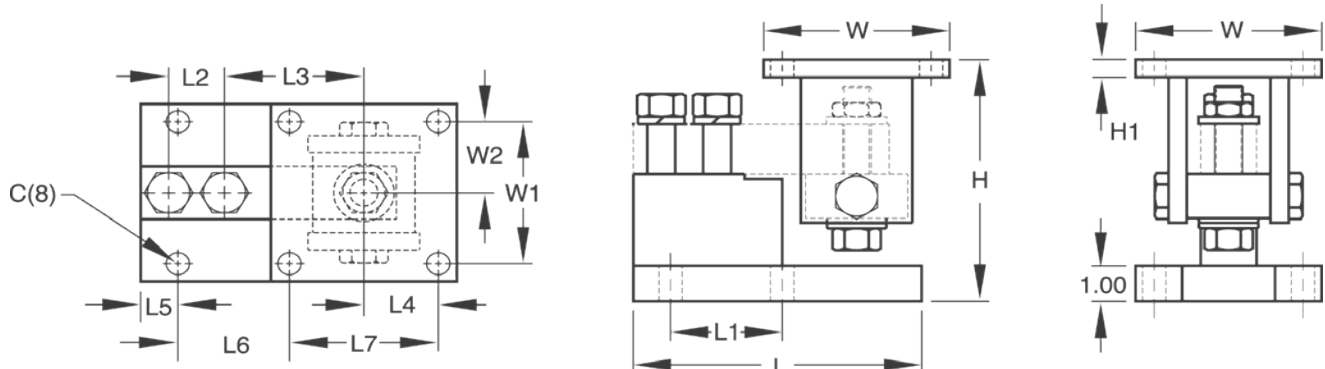


## Stainless Steel Order Information

Load Rating (Per Module)	Part #	Price
<b>Single Module (Does NOT Include Load Cell)</b>		
1,000 lb-4,000 lb	<b>17818</b>	\$610.00
5,000 lb-10,000 lb	<b>17820</b>	\$645.00
<b>3-Module Kit</b>		
1,000 lb	<b>188177</b>	\$3,085.00
2,000 lb	<b>188179</b>	\$3,085.00
2,500 lb	<b>188181</b>	\$3,085.00
4,000 lb	<b>188183</b>	\$3,085.00
5,000 lb	<b>188185</b>	\$3,340.00
10,000 lb	<b>188187</b>	\$3,340.00
<b>4-Module Kit</b>		
1,000 lb	<b>188178</b>	\$4,112.00
2,000 lb	<b>188180</b>	\$4,112.00
2,500 lb	<b>188182</b>	\$4,112.00
4,000 lb	<b>188184</b>	\$4,112.00
5,000 lb	<b>188186</b>	\$4,450.00
10,000 lb	<b>188188</b>	\$4,450.00

## 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	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 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

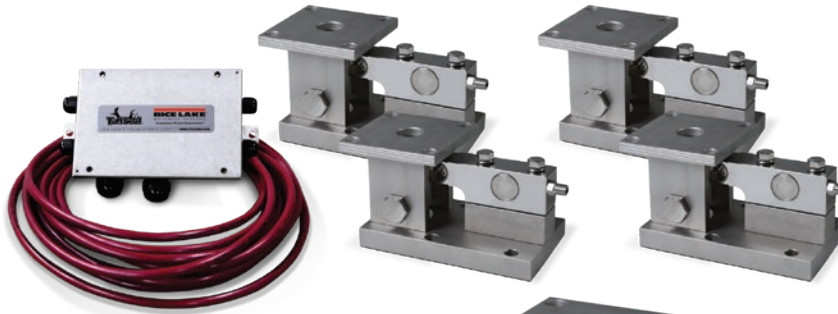
- Capacities (per module): 1,000 to 10,000 lb
- NTEP Certified cells in 1,000 to 10,000 lb capacities
- Stainless steel construction
- Center-pivoted, tension loading design
- Self-checking, multi-directional movement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates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

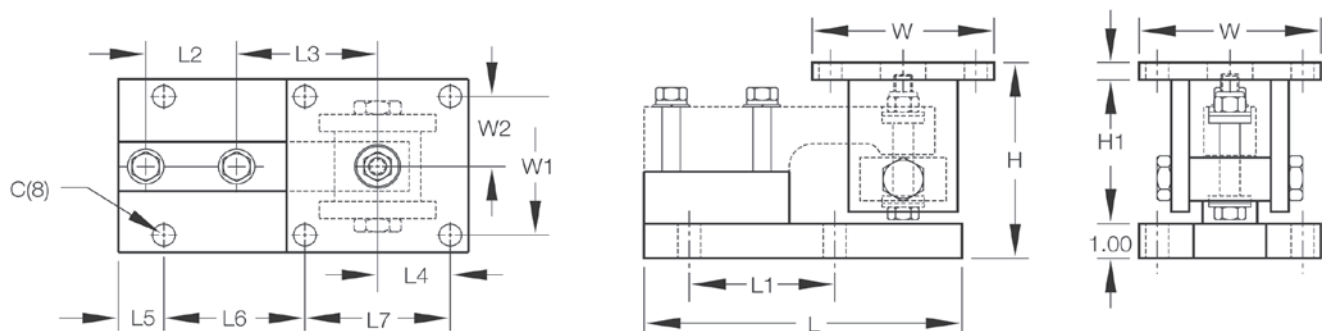


### Order Information

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>	\$667.00
10,000 lb	<b>17843</b>	\$725.00
<b>3-Module Kit</b>		
1,000 lb	<b>18109</b>	\$4,187.00
2,000 lb	<b>18110</b>	\$4,187.00
5,000 lb	<b>18111</b>	\$4,187.00
10,000 lb	<b>18112</b>	\$4,665.00
<b>4-Module Kit</b>		
1,000 lb	<b>18113</b>	\$5,575.00
2,000 lb	<b>18114</b>	\$5,575.00
5,000 lb	<b>18115</b>	\$5,575.00
10,000 lb	<b>18116</b>	\$6,175.00

### 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

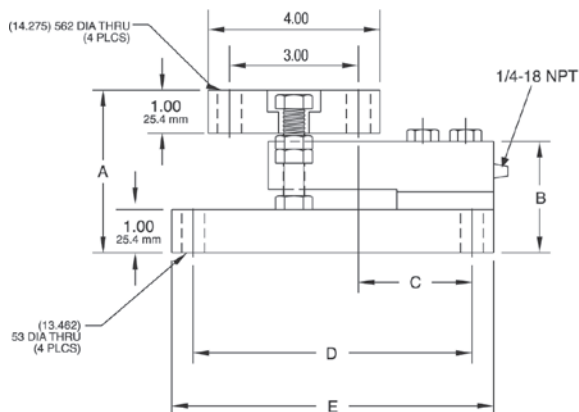


### Order Information

Load Rating (Per Module)	Part #	Price
<b>Single Module (Includes Load Cell)</b>		
500 lb	159288	\$1,057.00
1,250 lb	159289	\$1,057.00
2,500 lb	159290	\$1,057.00
5,000 lb	159291	\$1,277.00
10,000 lb	159292	\$1,277.00
<b>3-Module Kit</b>		
500 lb	162942	\$3,297.00
1,250 lb	162944	\$3,297.00
2,500 lb	162945	\$3,297.00
5,000 lb	162946	\$4,080.00
10,000 lb	162947	\$4,080.00
<b>4-Module Kit</b>		
500 lb	162948	\$4,350.00
1250 lb	162949	\$4,350.00
2500 lb	162950	\$4,350.00
5000 lb	162951	\$5,240.00
10,000 lb	162953	\$5,240.00

### 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

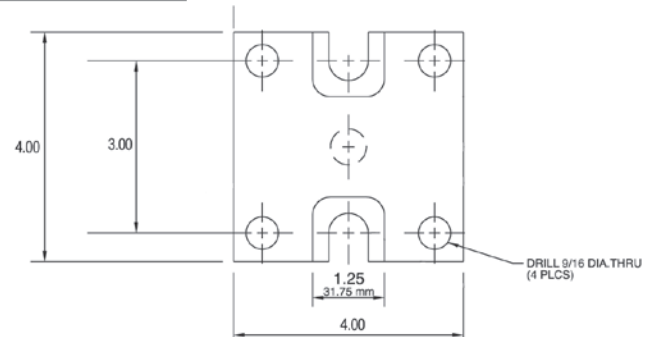
### Standard Features

- 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

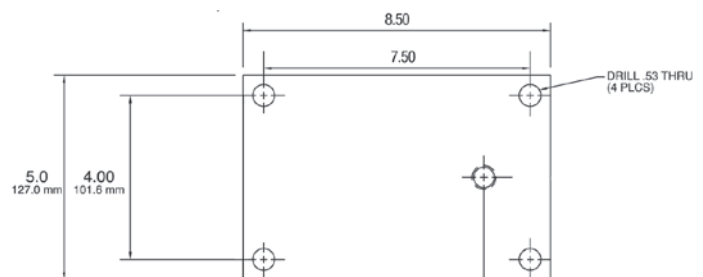
### Applications

- 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

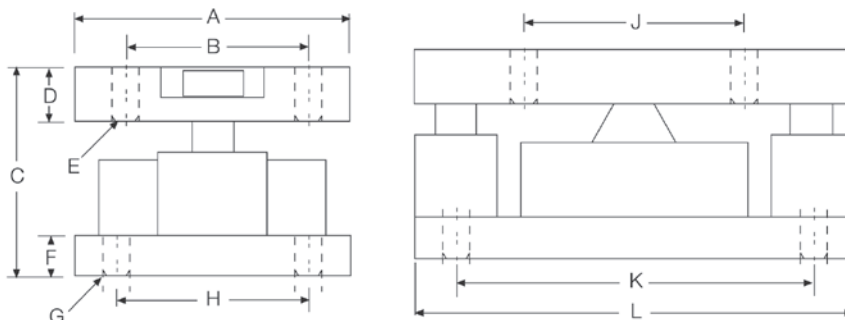
Load Rating (Per Module)	Part #	Price
<b>Single Module</b>		
2,500 lb	76657	\$2,708.00
5,000 lb	45845	\$2,708.00
10,000 lb	45844	\$2,708.00
25,000 lb	45843	\$4,580.00
50,000 lb	45842	\$4,580.00
<b>3-Module Kit</b>		
2,500 lb	76899	\$7,695.00
5,000 lb	46478	\$7,695.00
10,000 lb	46479	\$7,695.00
25,000 lb	46480	\$13,409.00
50,000 lb	46481	\$13,409.00
<b>4-Module Kit</b>		
2,500 lb	76900	\$10,176.00
5,000 lb	46482	\$10,176.00
10,000 lb	46483	\$10,176.00
25,000 lb	46484	\$17,490.00
50,000 lb	46485	\$17,490.00

## 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

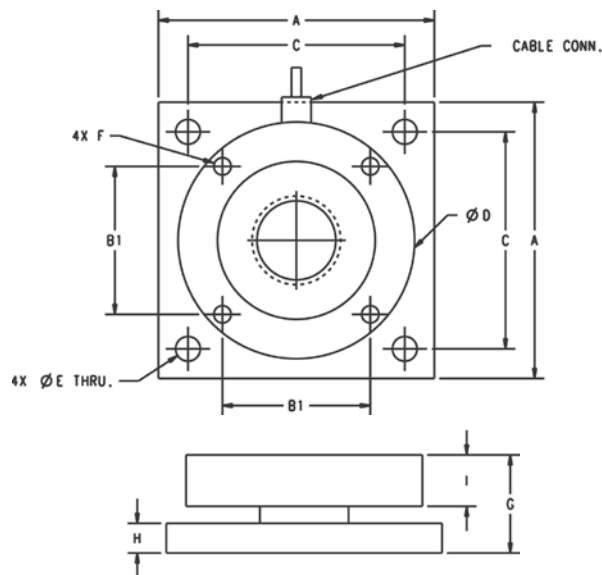
Capacity	Thickness	Material	Part #	Price
<b>Shims</b>				
1,000 to 15,000 lb	0.0625	SST	<b>167001</b>	\$6.00
1,000 to 15,000 lb	0.125	SST	<b>167002</b>	\$8.00
1,000 to 15,000 lb	0.250	SST	<b>167003</b>	\$11.00
1,000 to 15,000 lb	0.0625	MS	<b>167004</b>	\$2.50
1,000 to 15,000 lb	0.125	MS	<b>167005</b>	\$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

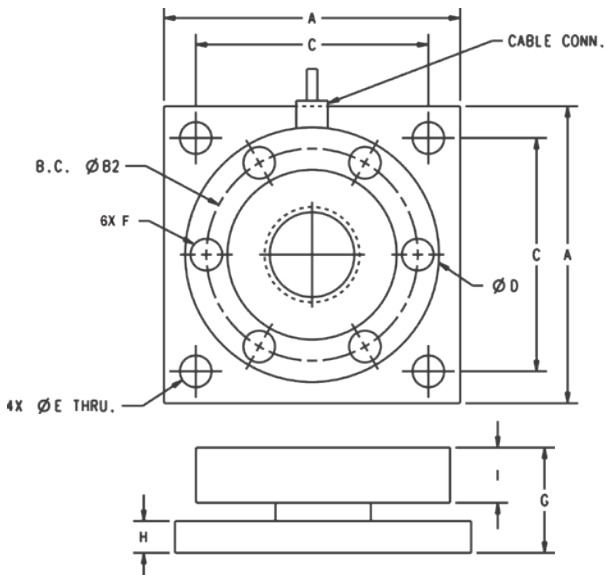
# RL9000TWM Series

Stainless Steel, Tank, Hopper and Vessel Weighing Assembly



## Dimensions

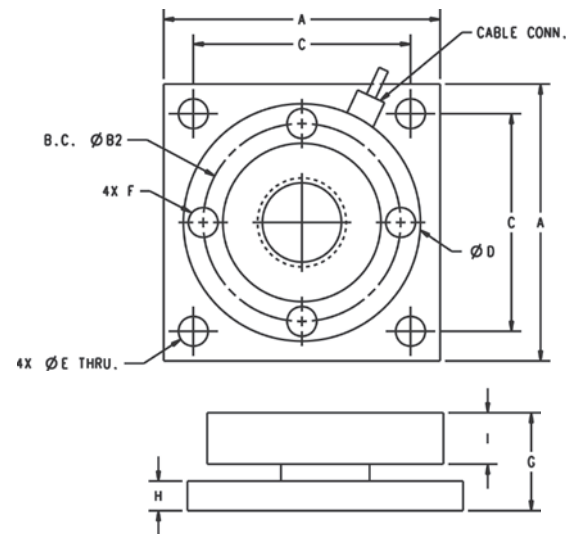
Rated Capacity	A	B1	C	D	E	F	G	H	I	Conduit Adapter
lb/in										
1,000 to 10,000	4.00	2.00	3.25	3.50	0.40	3/8-16 UNC	1.35	0.375	0.75	-
15,000	4.00	2.00	3.25	3.50	0.40	3/8-16 UNC	1.60	0.625	0.75	-
20,000 to 50,000	7.00	3.75	5.50	6.00	0.63	1/2-13 UNC	2.48	0.75	1.30	1/2-14 NPT
60,000 to 100,000	8.00	4.25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



## Dimensions

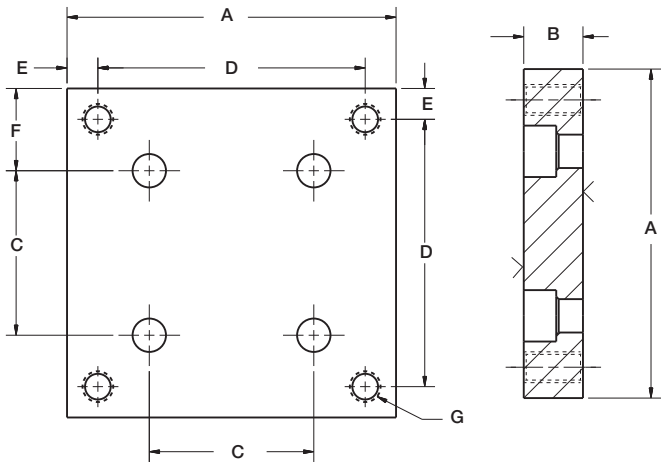
Rated Capacity	A	B2	C	D	E	F	G	H	I	Conduit Adapter
lb/in										
250,000 to 450,000	11.00	7.75	9.00	9.00	1.30	7/8-14 UNF	6.42	3.00	2.25	1/2-14 NPT

## Optional Top Plates



## 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

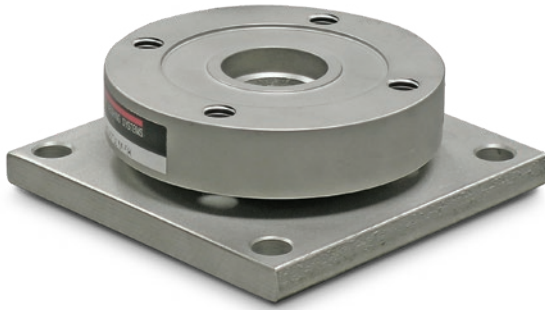


## Dimensions

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



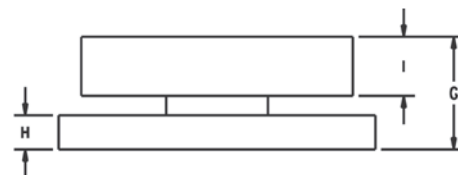
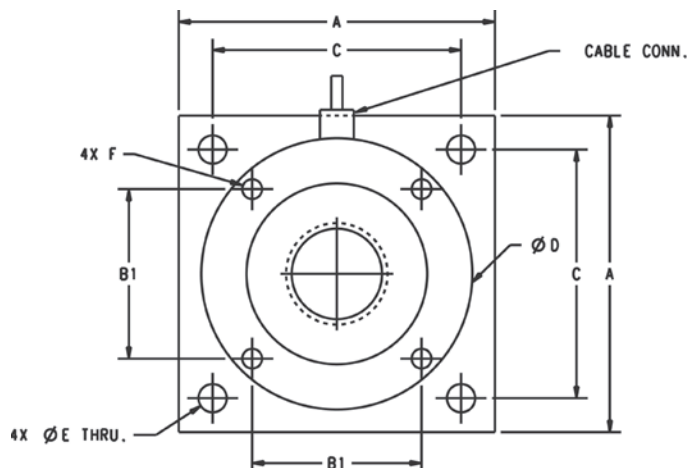
Picture is a representation of actual product.

## Order Information

Load Rating (per module)	Part #	Price
<b>Single Module</b>		
1,000 lb	117050	\$1,225.00
2,500 lb	117051	\$1,225.00
5,000 lb	117052	\$1,225.00
10,000 lb	117140	\$1,225.00
15,000 lb	117053	\$1,225.00
20,000 lb	117054	\$1,945.00
25,000 lb	117055	\$1,945.00
35,000 lb	117056	\$1,945.00
50,000 lb	117057	\$1,945.00
<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



Picture is a representation of actual product.

## Order Information

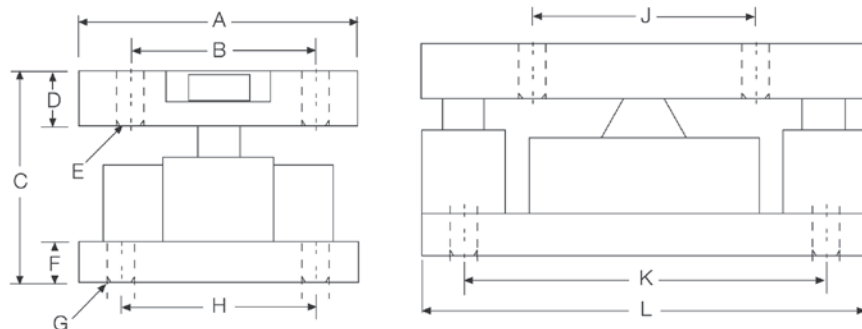
Load Rating (Per Module)	Part #	Price
<b>Single Module</b>		
2,500 lb	<b>76656</b>	\$1,870.00
5,000 lb	<b>45849</b>	\$1,870.00
10,000 lb	<b>45848</b>	\$1,870.00
25,000 lb	<b>45847</b>	\$2,517.00
50,000 lb	<b>45846</b>	\$2,517.00
<b>3-Module Kit</b>		
2,500 lb	<b>76897</b>	\$5,595.00
5,000 lb	<b>42811</b>	\$5,595.00
10,000 lb	<b>42812</b>	\$5,595.00
25,000 lb	<b>42813</b>	\$7,219.00
50,000 lb	<b>42814</b>	\$7,219.00
<b>4-Module Kit</b>		
2,500 lb	<b>76898</b>	\$7,398.00
5,000 lb	<b>42815</b>	\$7,398.00
10,000 lb	<b>42816</b>	\$7,398.00
25,000 lb	<b>42817</b>	\$8,565.00
50,000 lb	<b>42818</b>	\$8,565.00

## Replacement Load Cell Order Information

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

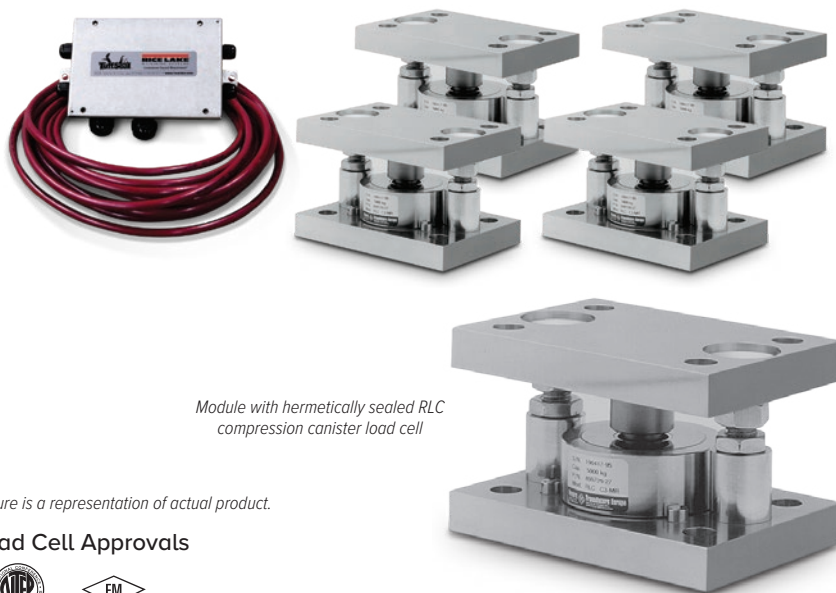
30 ft

### 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

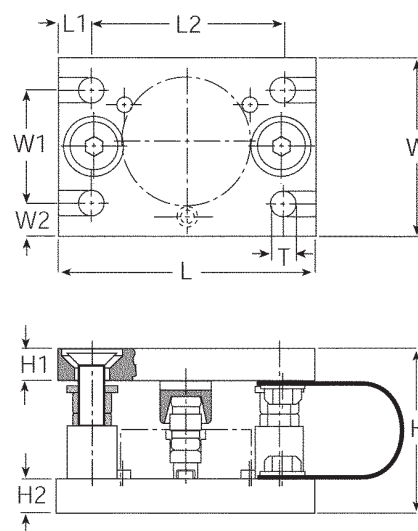
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four RLC stainless steel compression mounts
- Three or four RLC stainless steel hermetically sealed compression disk load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

### 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

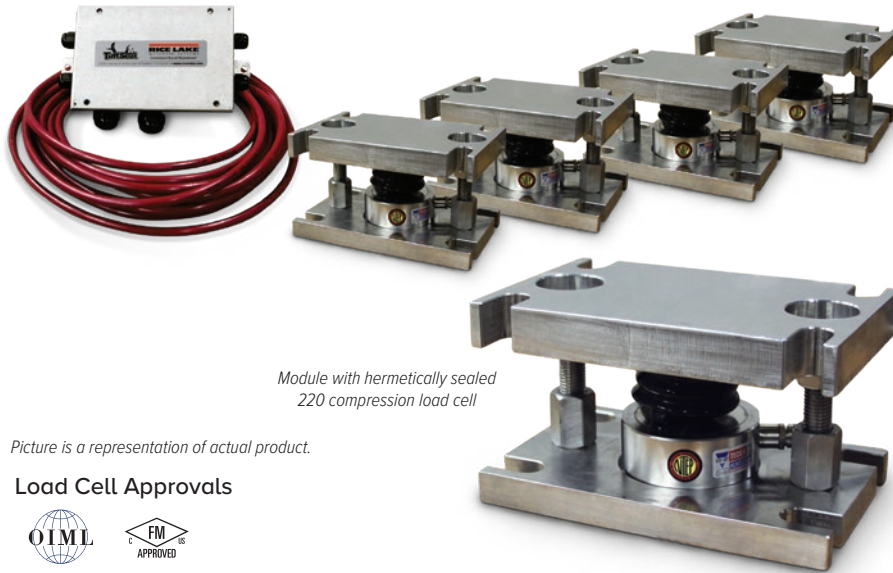
- Medium-capacity tanks, bins and hoppers
- Washdown applications
- Process control and batch weighing





# 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:

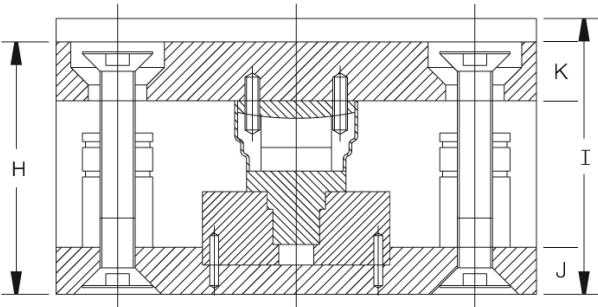
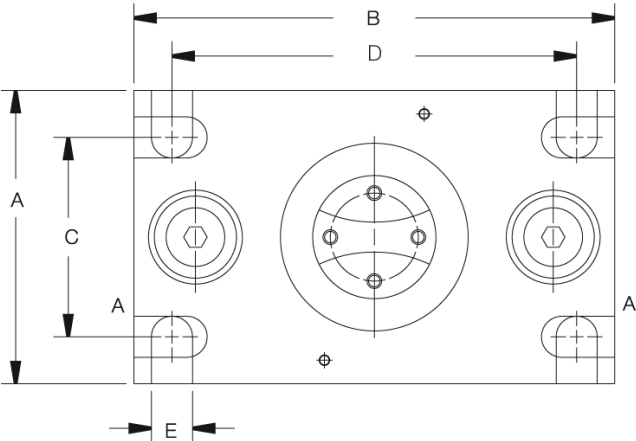
One-year limited

# 220 Universal Mount

Stainless Steel Weigh Modules, VPG Tedea-Huntleigh

Dimensions

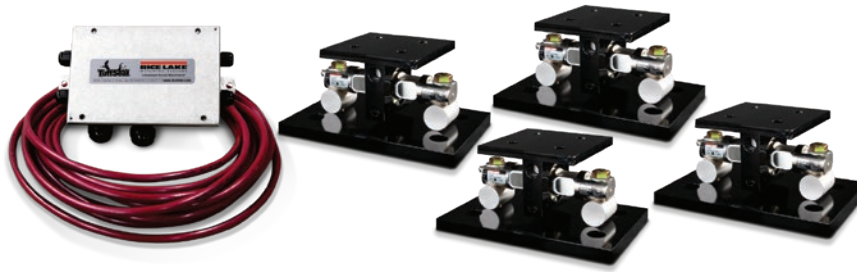
Rated Capacity kg/mm	A	B	C	D	E	H	I	J	K
5,000 to 10,000	127.0	203.0	90.0	170.0	18.0	107.0	Load Cell Replacement Height: 118.0 Operating Height: 107.0	19.1	25.4
20,000 to 30,000	152.0	245.0	115.0	208.0	24.0	148.0	Load Cell Replacement Height: 156.0 Operating Height: 148.1	31.8	25.4



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 (Per Module)	Part #	Price
<b>Single Module (Does NOT Include Load Cell)</b>		
5,000 lb to 20,000 lb	<b>17823</b>	\$345.00
30,000 lb to 60,000 lb	<b>17824</b>	\$927.00
100,000 lb	<b>17850</b>	\$1,277.00
150,000 lb	<b>29012</b>	\$1,277.00
200,000 lb to 250,000 lb	<b>26068</b>	\$2,915.00
<b>3-Module Kit</b>		
5,000 lb	<b>208881</b>	\$3,265.00
10,000 lb	<b>208882</b>	\$3,265.00
20,000 lb	<b>208883</b>	\$3,265.00
30,000 lb	<b>208884</b>	\$5,210.00
40,000 lb	<b>208885</b>	\$5,210.00
50,000 lb	<b>208886</b>	\$5,210.00
60,000 lb	<b>208887</b>	\$5,210.00
100,000 lb	<b>208888</b>	\$8,432.00
150,000 lb	<b>208889</b>	\$8,432.00
<b>4-Module Kit</b>		
5,000 lb	<b>208892</b>	\$4,240.00
10,000 lb	<b>208893</b>	\$4,240.00
20,000 lb	<b>208894</b>	\$4,240.00
30,000 lb	<b>208895</b>	\$6,577.00
40,000 lb	<b>208896</b>	\$6,577.00
50,000 lb	<b>208897</b>	\$6,577.00
60,000 lb	<b>208898</b>	\$6,577.00
100,000 lb	<b>208899</b>	\$10,955.00
150,000 lb	<b>208900</b>	\$10,955.00

## VPG Revere 5103

## Order Information

Load Rating (Per Module)	Part #	Price
<b>3-Module Kit</b>		
5,000 lb	<b>18175</b>	\$3,375.00
10,000 lb	<b>18176</b>	\$3,375.00
20,000 lb	<b>18177</b>	\$3,375.00
30,000 lb	<b>32169</b>	\$5,321.00
40,000 lb	<b>32171</b>	\$5,321.00
50,000 lb	<b>18178</b>	\$5,485.00
60,000 lb	<b>18179</b>	\$5,485.00
100,000 lb	<b>18180</b>	\$8,544.00
150,000 lb	<b>18181</b>	\$8,544.00
<b>4-Module Kit</b>		
5,000 lb	<b>18182</b>	\$4,351.00
10,000 lb	<b>18183</b>	\$4,351.00
20,000 lb	<b>18184</b>	\$4,351.00
30,000 lb	<b>32170</b>	\$6,731.00
40,000 lb	<b>32172</b>	\$6,731.00
50,000 lb	<b>18185</b>	\$6,911.00
60,000 lb	<b>18186</b>	\$6,911.00
100,000 lb	<b>18187</b>	\$11,130.00
150,000 lb	<b>18188</b>	\$11,130.00
<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

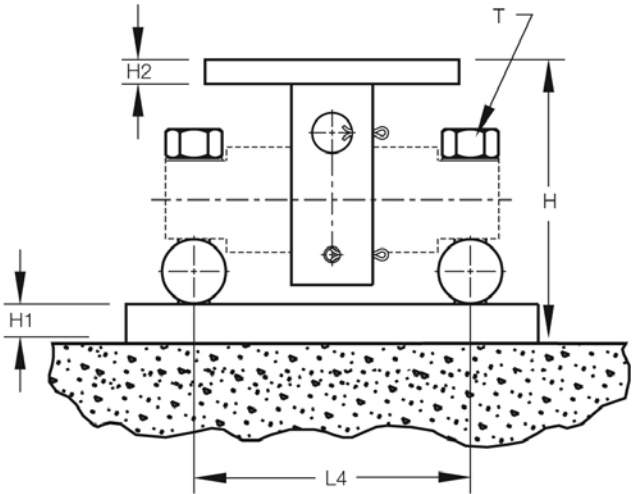
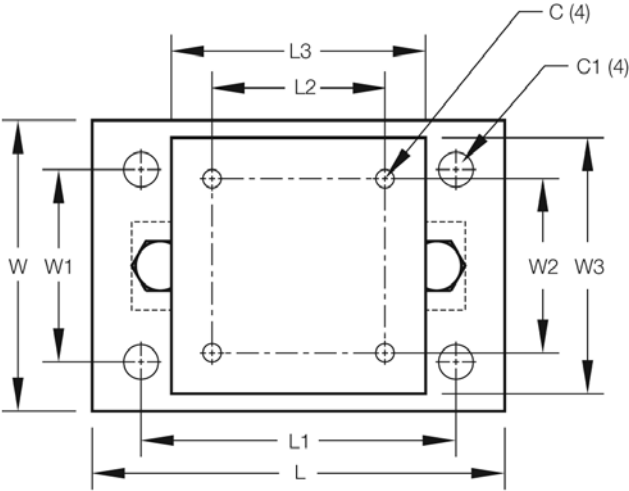
- Medium- to heavy-capacity tank and hopper weighing applications

# EZ Mount 1 with RL72020

Mild Steel Weigh Modules, Rice Lake Weighing Systems

## Dimensions

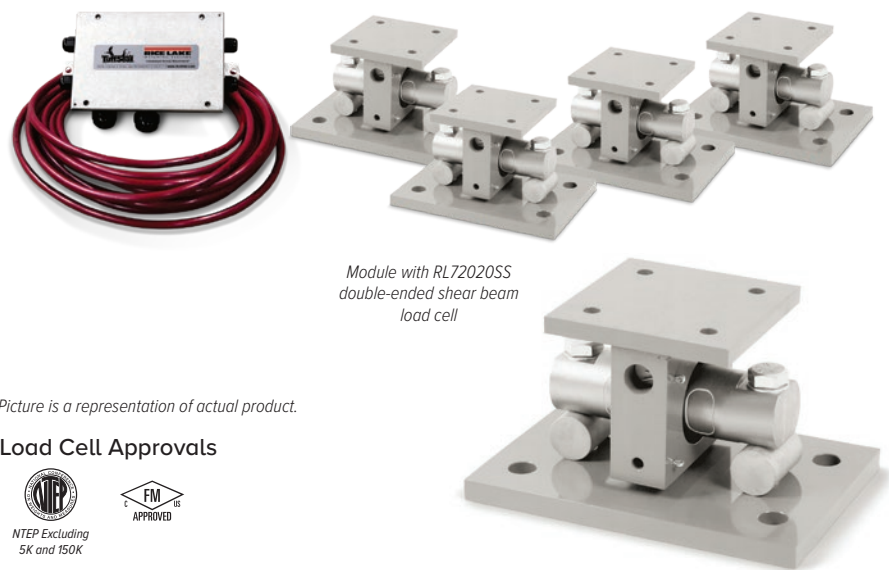
Rated Capacity	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
lb/in															
5,000 to 20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000 to 60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00
100,000 to 150,000	0.81	1.38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



## Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
5,000 lb to 20,000 lb	17943	\$845.00
30,000 lb to 60,000 lb	17944	\$2,330.00
100,000 lb	17945	\$4,278.00
150,000 lb	29011	\$4,278.00
3-Module Kit		
5,000 lb*	208914	\$5,173.00
10,000 lb	208917	\$5,173.00
20,000 lb	208918	\$5,173.00
30,000 lb	208919	\$10,282.00
40,000 lb	208920	\$10,282.00
50,000 lb	208921	\$10,282.00
60,000 lb	208922	\$10,282.00
100,000 lb	208923	\$18,968.00
150,000 lb*	208924	\$18,968.00

\* Non-NTEP Certified

Load Rating (Per Module)	Part #	Price
4-Module Kit		
5,000 lb*	208925	\$6,705.00
10,000 lb	208926	\$6,705.00
20,000 lb	208927	\$6,705.00
30,000 lb	208928	\$13,530.00
40,000 lb	208929	\$13,530.00
50,000 lb	208930	\$13,530.00
60,000 lb	208931	\$13,530.00
100,000 lb	208932	\$25,222.00
150,000 lb*	208933	\$25,222.00
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

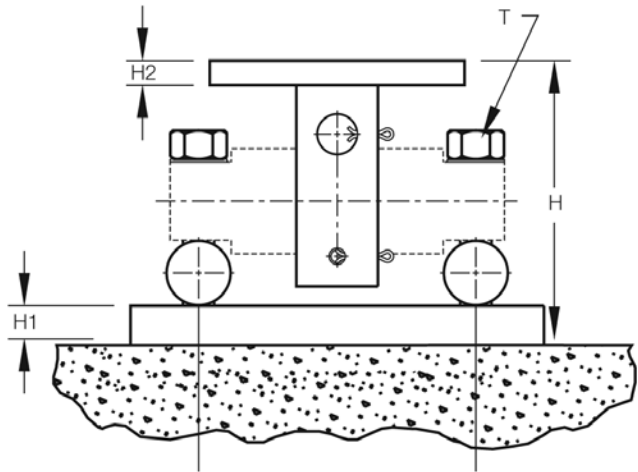
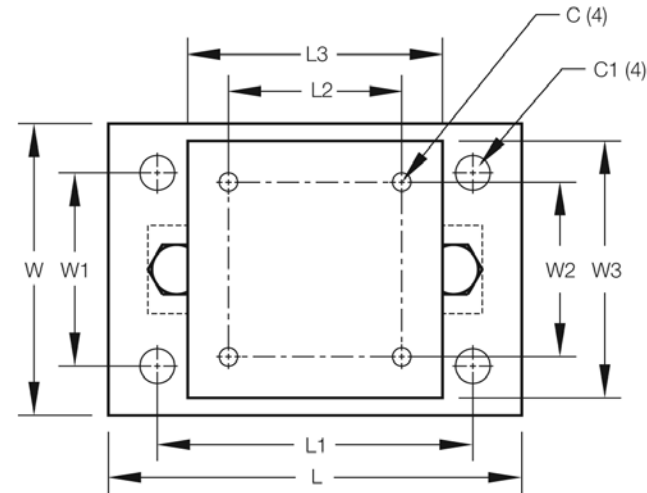


# EZ Mount 1 SS with RL72020SS

Stainless Steel Weigh Modules, Rice Lake Weighing Systems

## Dimensions

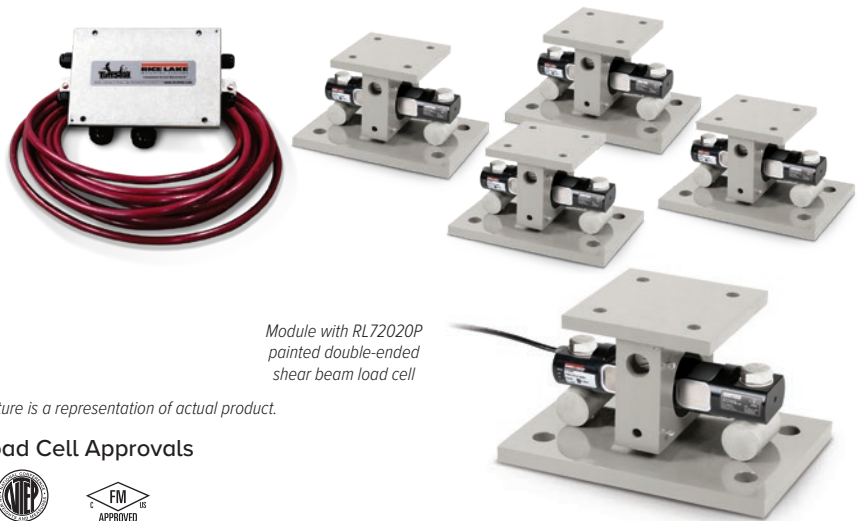
Rated Capacity	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
lb/in															
5,000 to 20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000 to 60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00
100,000 to 150,000	0.81	1.38	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	\$845.00
30,000 lb to 60,000 lb	17944	\$2,330.00
100,000 lb	17945	\$4,278.00
150,000 lb	29011	\$4,278.00
3-Module Kit		
5,000 lb	208957	\$4,658.00
10,000 lb	208959	\$4,658.00
20,000 lb	208961	\$4,658.00
30,000 lb	208963	\$9,535.00
40,000 lb	208965	\$9,535.00
50,000 lb	208967	\$9,535.00
60,000 lb	208969	\$9,535.00
100,000 lb	208971	\$17,910.00
150,000 lb	208973	\$17,910.00

Load Rating (Per Module)	Part #	Price
4-Module Kit		
5,000 lb	208958	\$6,228.00
10,000 lb	208960	\$6,228.00
20,000 lb	208962	\$6,228.00
30,000 lb	208964	\$12,715.00
40,000 lb	208966	\$12,715.00
50,000 lb	208968	\$12,715.00
60,000 lb	208970	\$12,715.00
100,000 lb	208972	\$23,845.00
150,000 lb	208974	\$23,845.00
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

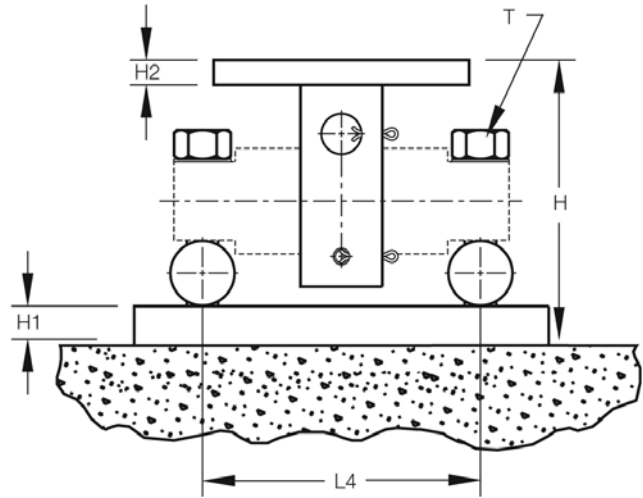
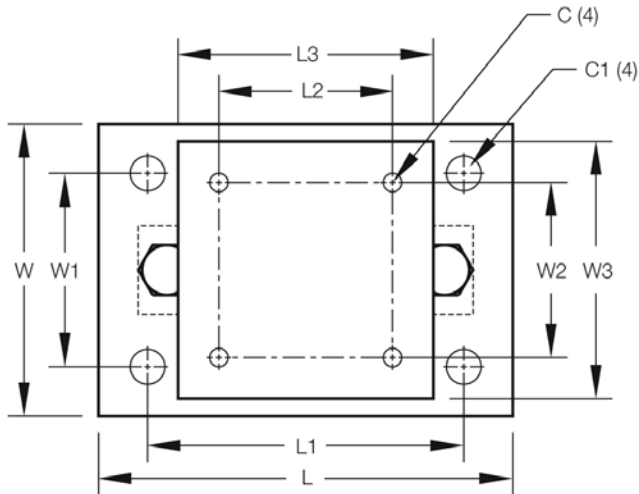
WEIGH MODULES

# EZ Mount 1 with Painted RL72020P

Rice Lake Weighing Systems

## Dimensions

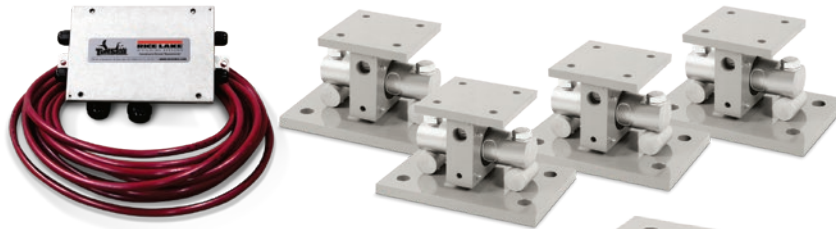
Rated Capacity	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
lb/in															
5,000 to 20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000 to 60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00
100,000 to 150,000	0.81	1.38	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>	\$345.00
30,000 lb to 60,000 lb	<b>17824</b>	\$927.00
100,000 lb	<b>17850</b>	\$1,277.00
150,000 lb	<b>29012</b>	\$1,277.00
200,000 lb-250,000 lb	<b>26068</b>	\$2,915.00
<b>3-Module Kit</b>		
5,000 lb	<b>18163</b>	\$3,265.00
10,000 lb	<b>18164</b>	\$3,265.00
20,000 lb	<b>18165</b>	\$3,265.00
30,000 lb	<b>32164</b>	\$5,210.00
40,000 lb	<b>32167</b>	\$5,210.00
50,000 lb	<b>18166</b>	\$5,210.00
60,000 lb	<b>18167</b>	\$5,210.00
100,000 lb	<b>18168</b>	\$8,432.00
150,000 lb	<b>43290</b>	\$8,432.00
<b>4-Module Kit</b>		
5,000 lb	<b>18169</b>	\$4,240.00
10,000 lb	<b>18170</b>	\$4,240.00
20,000 lb	<b>18171</b>	\$4,240.00
30,000 lb	<b>32165</b>	\$6,577.00
40,000 lb	<b>32166</b>	\$6,577.00
50,000 lb	<b>18172</b>	\$6,577.00
60,000 lb	<b>18173</b>	\$6,577.00
100,000 lb	<b>18174</b>	\$10,955.00
150,000 lb	<b>43291</b>	\$10,955.00

## VPG Revere 5103 Order Information

Load Rating (Per Module)	Part #	Price
<b>3-Module Kit</b>		
5,000 lb	<b>18175</b>	\$3,375.00
10,000 lb	<b>18176</b>	\$3,375.00
20,000 lb	<b>18177</b>	\$3,375.00
30,000 lb	<b>32169</b>	\$5,321.00
40,000 lb	<b>32171</b>	\$5,321.00
50,000 lb	<b>18178</b>	\$5,485.00
60,000 lb	<b>18179</b>	\$5,485.00
100,000 lb	<b>18180</b>	\$8,544.00
150,000 lb	<b>18181</b>	\$8,544.00
<b>4-Module Kit</b>		
5,000 lb	<b>18182</b>	\$4,351.00
10,000 lb	<b>18183</b>	\$4,351.00
20,000 lb	<b>18184</b>	\$4,351.00
30,000 lb	<b>32170</b>	\$6,731.00
40,000 lb	<b>32172</b>	\$6,731.00
50,000 lb	<b>18185</b>	\$6,911.00
60,000 lb	<b>18186</b>	\$6,911.00
100,000 lb	<b>18187</b>	\$11,130.00
150,000 lb	<b>18188</b>	\$11,130.00
<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

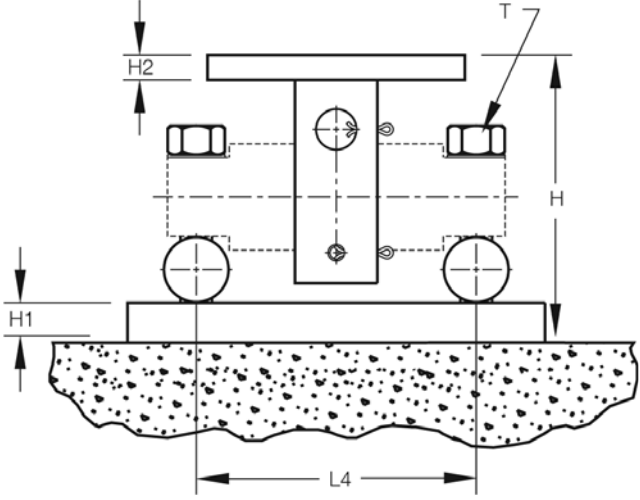
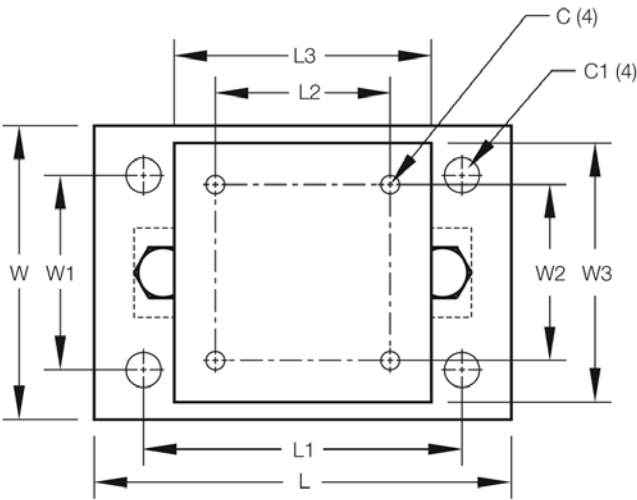
- Medium- to heavy-capacity tank and hopper weighing applications

# 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



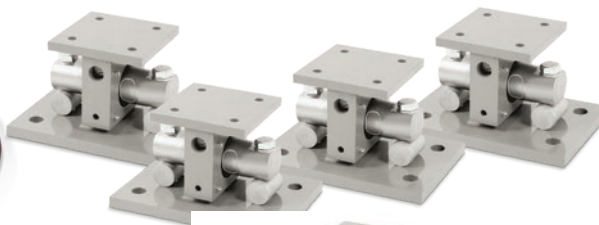
WEIGH MODULES



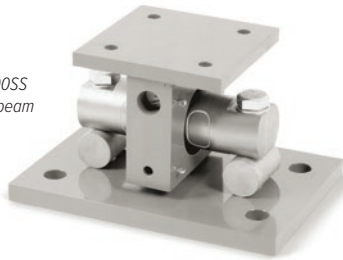
# EZ Mount 1 with RL70000SS

Stainless Steel Weigh Modules, Rice Lake Weighing Systems

**Discontinued**  
Limited Stock Available



Module with RL70000SS  
double-ended shear beam  
load cell



Picture is a representation of actual product.

## Load Cell Approvals



NTEP Excluding  
5K and 150K



APPROVED

## 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>	\$845.00
30,000 lb to 60,000 lb	<b>17944</b>	\$2,330.00
100,000 lb	<b>17945</b>	\$4,278.00
150,000 lb	<b>29011</b>	\$4,278.00
<b>3-Module Kit</b>		
5,000 lb*	<b>36195</b>	\$4,945.00
10,000 lb	<b>36196</b>	\$4,945.00
20,000 lb	<b>36197</b>	\$4,945.00
30,000 lb	<b>36198</b>	\$9,582.00
40,000 lb	<b>36199</b>	\$9,582.00
50,000 lb	<b>36200</b>	\$9,695.00
60,000 lb	<b>36201</b>	\$9,695.00
100,000 lb	<b>36202</b>	\$17,908.00
150,000 lb*	<b>43288</b>	\$17,908.00

\* Non-NTEP Certified

Load Rating (Per Module)	Part #	Price
<b>4-Module Kit</b>		
5,000 lb*	<b>36203</b>	\$6,625.00
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>	\$13,010.00
50,000 lb	<b>36208</b>	\$13,317.00
60,000 lb	<b>36209</b>	\$13,317.00
100,000 lb	<b>36210</b>	\$25,222.00
150,000 lb*	<b>43289</b>	\$25,222.00
<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 RL70000SS stainless steel double-ended shear beam load cells
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Standard Features

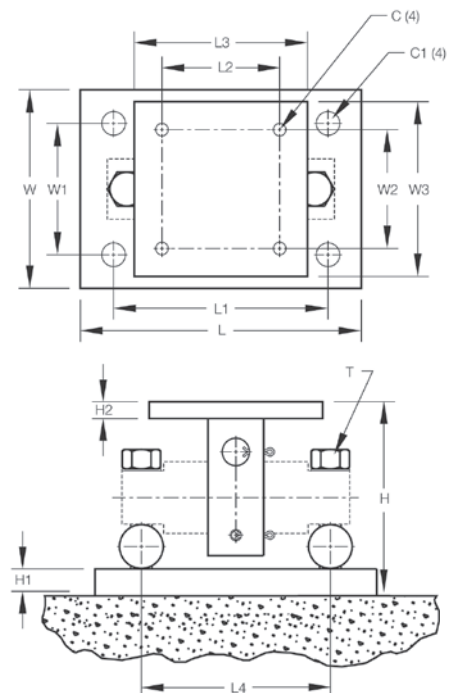
- Capacities (per module): 5,000 to 150,000 lb
- Unique sliding pin design compensates for thermal expansion/contraction
- NTEP Certified load cells (10 to 100 K)
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear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



# 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>	\$845.00
30,000 lb to 60,000 lb	<b>17944</b>	\$2,330.00
100,000 lb	<b>17945</b>	\$4,278.00
150,000 lb	<b>29011</b>	\$4,278.00
<b>3-Module Kit</b>		
5,000 lb*	<b>207819</b>	\$4,658.00
10,000 lb	<b>207820</b>	\$4,658.00
20,000 lb	<b>207821</b>	\$4,658.00
30,000 lb	<b>207822</b>	\$9,535.00
40,000 lb	<b>207823</b>	\$9,535.00
50,000 lb	<b>207824</b>	\$9,535.00
60,000 lb	<b>207825</b>	\$9,535.00
100,000 lb	<b>207826</b>	\$17,910.00
150,000 lb*	<b>207827</b>	\$17,910.00

\* Non-NTEP Certified

Load Rating (Per Module)	Part #	Price
<b>4-Module Kit</b>		
5,000 lb*	<b>207829</b>	\$6,228.00
10,000 lb	<b>207830</b>	\$6,228.00
20,000 lb	<b>207831</b>	\$6,228.00
30,000 lb	<b>207832</b>	\$12,715.00
40,000 lb	<b>207833</b>	\$12,715.00
50,000 lb	<b>207834</b>	\$12,715.00
60,000 lb	<b>207835</b>	\$12,715.00
100,000 lb	<b>207836</b>	\$23,845.00
150,000 lb*	<b>207837</b>	\$23,845.00
<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

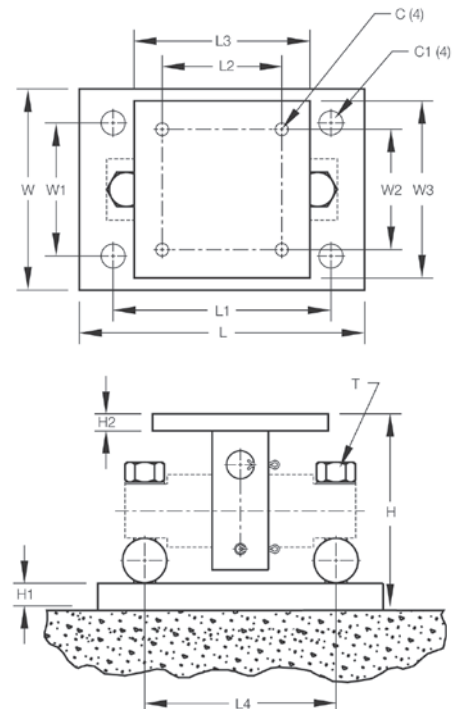
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four EZ Mount 1 stainless steel compression mounts
- Three or four RL70000 alloy painted double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## 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

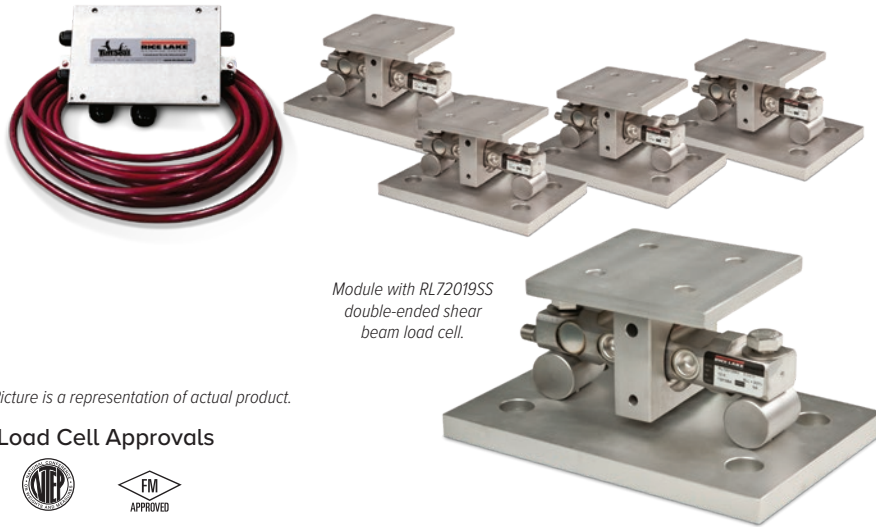
- Medium-to heavy-capacity tank and fertilizer hopper weighing applications



WEIGH MODULES

# EZ Mount 1 HE

Stainless Steel Weigh Modules, Rice Lake Weighing Systems



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>	\$6,115.00
10,000 lb	<b>46696</b>	\$6,115.00
20,000 lb	<b>46697</b>	\$6,115.00
30,000 lb	<b>46698</b>	\$12,015.00
40,000 lb	<b>46699</b>	\$12,015.00
50,000 lb	<b>46700</b>	\$12,015.00
60,000 lb	<b>46701</b>	\$12,015.00
<b>4-Module Kit</b>		
5,000 lb*	<b>46702</b>	\$8,230.00
10,000 lb	<b>46703</b>	\$8,230.00
20,000 lb	<b>46704</b>	\$8,230.00
30,000 lb	<b>46705</b>	\$15,695.00
40,000 lb	<b>46706</b>	\$15,695.00
50,000 lb	<b>46707</b>	\$15,695.00
60,000 lb	<b>46708</b>	\$15,695.00
<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

## Complete Kit Includes

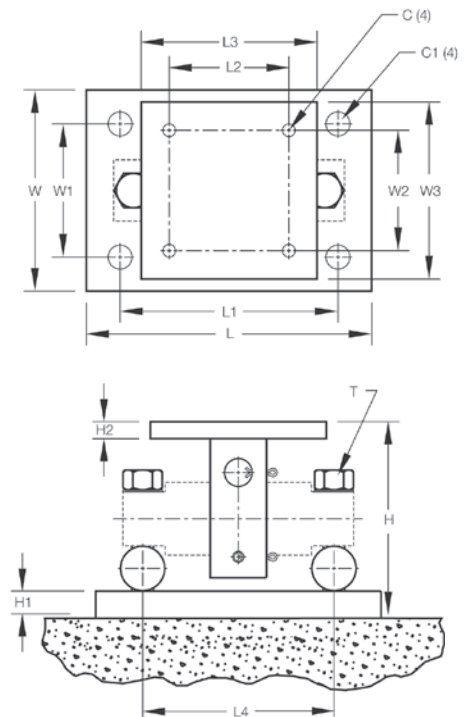
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- Three or four EZ Mount 1 stainless steel compression mounts
- Three or four RL72019SS welded sealed stainless steel double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## 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



## Dimensions

Rated Capacity	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
<b>lb/in</b>															
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

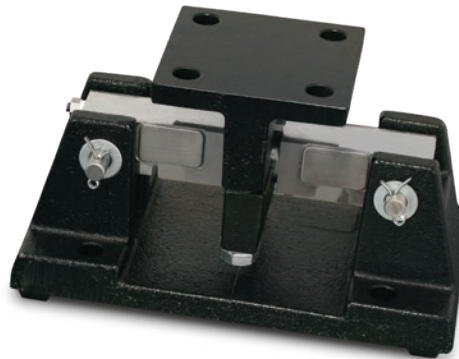
NOTES: Mounting bolts (T) may project on lower side of base plate. Foundation plate not included

# 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 (Per Module)	Part #	Price
<b>Single Module (Does NOT Include Load Cell)</b>		
1,000 lb to 5,000 lb	<b>17964</b>	\$175.00
10,000 lb to 25,000 lb	<b>17965</b>	\$340.00
<b>3-Module Kit</b>		
1,000 lb	<b>25663</b>	\$2,258.00
1,500 lb	<b>25664</b>	\$2,258.00
2,000 lb	<b>25665</b>	\$2,258.00
2,500 lb	<b>25666</b>	\$2,258.00
3,000 lb	<b>25667</b>	\$2,258.00
5,000 lb	<b>25668</b>	\$2,258.00
10,000 lb	<b>25669</b>	\$2,952.00
15,000 lb	<b>25671</b>	\$2,952.00
20,000 lb	<b>25672</b>	\$2,952.00
25,000 lb	<b>25674</b>	\$2,952.00
<b>4-Module Kit</b>		
1,000 lb	<b>25675</b>	\$2,888.00
1,500 lb	<b>25676</b>	\$2,888.00
2,000 lb	<b>25677</b>	\$2,888.00
2,500 lb	<b>25678</b>	\$2,888.00
3,000 lb	<b>25679</b>	\$2,888.00
5,000 lb	<b>25680</b>	\$2,888.00
10,000 lb	<b>25681</b>	\$3,810.00
15,000 lb	<b>25682</b>	\$3,810.00
20,000 lb	<b>25683</b>	\$3,810.00
25,000 lb	<b>25684</b>	\$3,810.00

## VPG Sentionics 65016 Order Information

Load Rating (Per Module)	Part #	Price
<b>3-Module Kit</b>		
1,000 lb	<b>25685</b>	\$2,655.00
1,500 lb	<b>25686</b>	\$2,655.00
2,500 lb	<b>25688</b>	\$2,655.00
5,000 lb	<b>25690</b>	\$2,655.00
10,000 lb	<b>25691</b>	\$3,350.00
15,000 lb	<b>25692</b>	\$3,350.00
20,000 lb	<b>25693</b>	\$3,350.00
25,000 lb	<b>25694</b>	\$3,350.00
<b>4-Module Kit</b>		
1,000 lb	<b>25695</b>	\$3,445.00
1,500 lb	<b>25696</b>	\$3,445.00
2,500 lb	<b>25698</b>	\$3,445.00
5,000 lb	<b>25700</b>	\$3,445.00
10,000 lb	<b>25701</b>	\$4,399.00
15,000 lb	<b>25702</b>	\$4,399.00
20,000 lb	<b>25703</b>	\$4,399.00
25,000 lb	<b>25704</b>	\$4,399.00
<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

## 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® Sentionics 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	

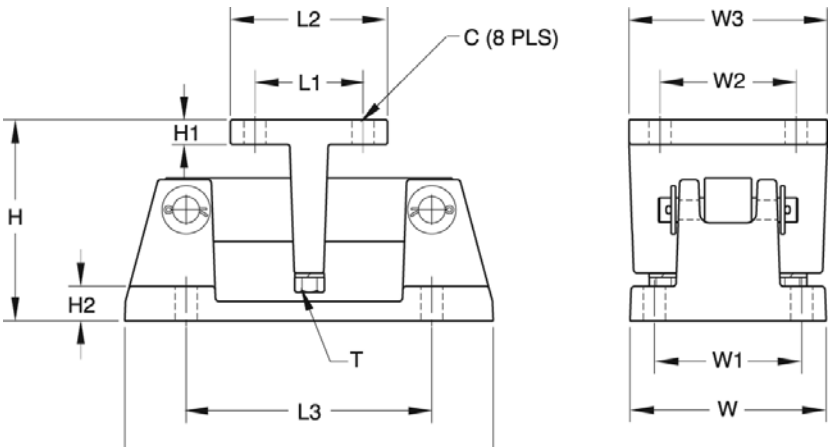
## Dimensions

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

## Shims, Mild Steel

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

WEIGH MODULES



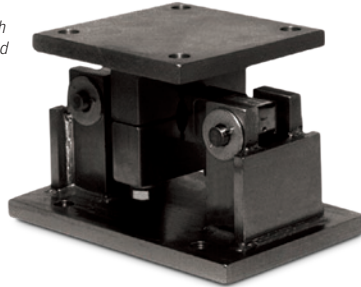


# RL1600 Series

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>	\$175.00
10,000 to 25,000 lb	<b>17814</b>	\$340.00
50,000 lb	<b>17816</b>	\$1,140.00
75,000 lb	<b>25346</b>	\$1,140.00
<b>3-Module Kit</b>		
1,000 lb	<b>18117</b>	\$2,258.00
1,500 lb	<b>18118</b>	\$2,258.00
2,000 lb	<b>18119</b>	\$2,258.00
2,500 lb	<b>18120</b>	\$2,258.00
3,000 lb	<b>18121</b>	\$2,258.00
5,000 lb	<b>18122</b>	\$2,258.00
10,000 lb	<b>18123</b>	\$2,952.00
15,000 lb	<b>18124</b>	\$2,952.00
20,000 lb	<b>18125</b>	\$2,952.00
25,000 lb	<b>18126</b>	\$2,952.00
50,000 lb	<b>18127</b>	\$6,138.00
75,000 lb	<b>25348</b>	\$6,138.00
<b>4-Module Kit</b>		
1,000 lb	<b>18129</b>	\$2,888.00
1,500 lb	<b>18130</b>	\$2,888.00
2,000 lb	<b>18131</b>	\$2,888.00
2,500 lb	<b>18132</b>	\$2,888.00
3,000 lb	<b>18133</b>	\$2,888.00
5,000 lb	<b>18134</b>	\$2,888.00
10,000 lb	<b>18135</b>	\$3,810.00
15,000 lb	<b>18136</b>	\$3,810.00
20,000 lb	<b>18137</b>	\$3,810.00
25,000 lb	<b>18138</b>	\$3,810.00
50,000 lb	<b>18139</b>	\$8,199.00
75,000 lb	<b>25349</b>	\$8,199.00

## VPG Sensortronics 65016 Order Information

Load Rating (Per Module)	Part #	Price
<b>3-Module Kit</b>		
1,000 lb	<b>18189</b>	\$2,655.00
1,500 lb	<b>18190</b>	\$2,655.00
2,500 lb	<b>18192</b>	\$2,655.00
5,000 lb	<b>18194</b>	\$2,655.00
10,000 lb	<b>18195</b>	\$3,350.00
15,000 lb	<b>18196</b>	\$3,350.00
20,000 lb	<b>18197</b>	\$3,350.00
25,000 lb	<b>18198</b>	\$3,350.00
50,000 lb	<b>18199</b>	\$6,633.00
75,000 lb	<b>25350</b>	\$6,633.00
<b>4-Module Kit</b>		
1,000 lb	<b>18201</b>	\$3,445.00
1,500 lb	<b>18202</b>	\$3,445.00
2,500 lb	<b>18204</b>	\$3,445.00
5,000 lb	<b>18206</b>	\$3,445.00
10,000 lb	<b>18207</b>	\$4,399.00
15,000 lb	<b>18208</b>	\$4,399.00
20,000 lb	<b>18209</b>	\$4,399.00
25,000 lb	<b>18210</b>	\$4,399.00
50,000 lb	<b>18211</b>	\$8,692.00
75,000 lb	<b>25351</b>	\$8,692.00
<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

# RL1600 Series

Mild Steel Weigh Modules

## Load Cell Upgrade

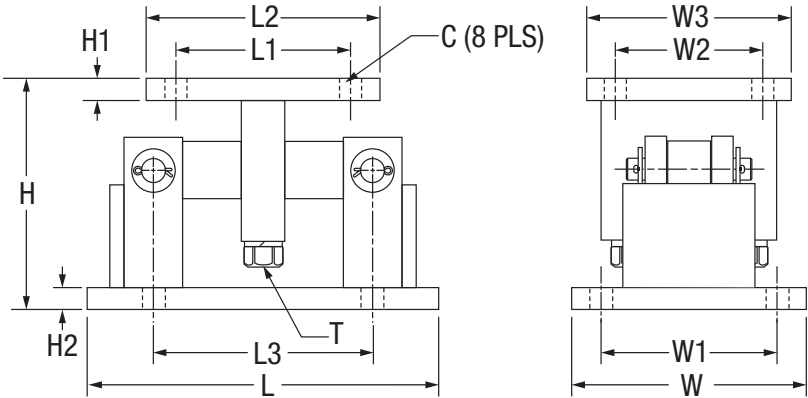
RL75016SS Stainless Steel Load Cells	
Three mount kits, 1,000 lb to 25,000 lb	\$75.00 added to list price
Four mount kits, 1,000 lb to 25,000 lb	\$100.00 added to list price
RL75016WHE Stainless Steel Hermetic Load Cells	
Three mount kits 1,000 lb to 5,000 lb	\$540.00, 10 k-25 k \$588.00 added to list 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 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

## Shims, Mild Steel

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



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>	\$657.00
10,000 lb to 25,000 lb	<b>17815</b>	\$1,283.00
50,000 lb	<b>17842</b>	\$3,032.00
75,000 lb	<b>25347</b>	\$3,032.00
<b>3-Module Kit</b>		
1,000 lb	<b>18141</b>	\$3,736.00
1,500 lb	<b>18142</b>	\$3,736.00
2,000 lb	<b>18143</b>	\$3,736.00
2,500 lb	<b>18144</b>	\$3,736.00
5,000 lb	<b>18145</b>	\$3,736.00
10,000 lb	<b>18146</b>	\$5,645.00
15,000 lb	<b>18147</b>	\$5,645.00
20,000 lb	<b>18148</b>	\$5,645.00
25,000 lb	<b>18149</b>	\$5,645.00
50,000 lb	<b>18150</b>	\$12,800.00
75,000 lb	<b>25352</b>	\$12,800.00
<b>4-Module Kit</b>		
1,000 lb	<b>18152</b>	\$4,876.00
1,500 lb	<b>18153</b>	\$4,876.00
2,000 lb	<b>18154</b>	\$4,876.00
2,500 lb	<b>18155</b>	\$4,876.00
5,000 lb	<b>18156</b>	\$4,876.00
10,000 lb	<b>18157</b>	\$7,711.00
15,000 lb	<b>18158</b>	\$7,711.00
20,000 lb	<b>18159</b>	\$7,711.00
25,000 lb	<b>18160</b>	\$7,711.00
50,000 lb	<b>18161</b>	\$17,283.00
75,000 lb	<b>25353</b>	\$17,283.00

## VPG Sensortronics 65016W Order Information

Load Rating (Per Module)	Part #	Price
<b>3-Module Kit</b>		
1,000 lb	<b>18213</b>	\$4,007.00
1,500 lb	<b>18214</b>	\$4,007.00
2,500 lb	<b>18216</b>	\$4,007.00
5,000 lb	<b>18217</b>	\$4,007.00
10,000 lb	<b>18218</b>	\$6,095.00
15,000 lb	<b>18219</b>	\$6,095.00
20,000 lb	<b>18220</b>	\$6,095.00
25,000 lb	<b>18221</b>	\$6,095.00
50,000 lb	<b>18222</b>	\$13,356.00
75,000 lb	<b>25354</b>	\$13,356.00
<b>4-Module Kit</b>		
1,000 lb	<b>18224</b>	\$5,263.00
1,500 lb	<b>18225</b>	\$5,263.00
2,500 lb	<b>18227</b>	\$5,263.00
5,000 lb	<b>18228</b>	\$5,263.00
10,000 lb	<b>18229</b>	\$8,045.00
15,000 lb	<b>18230</b>	\$8,045.00
20,000 lb	<b>18231</b>	\$8,045.00
25,000 lb	<b>18232</b>	\$8,045.00
50,000 lb	<b>18233</b>	\$17,617.00
75,000 lb	<b>25355</b>	\$17,617.00
<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

# RL1600 Series SS

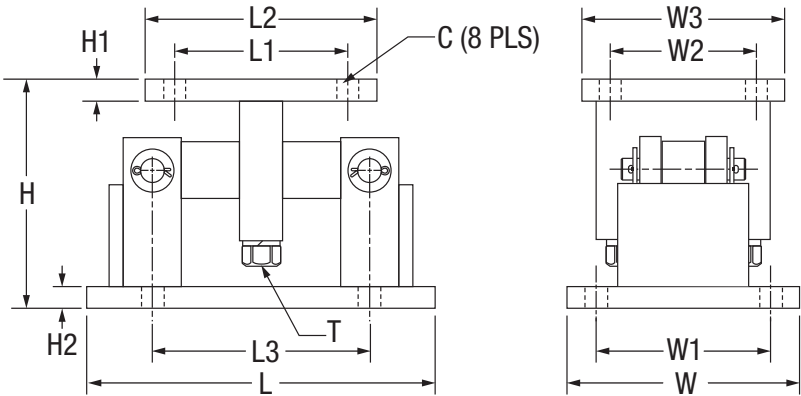
Stainless Steel Weigh Modules

## Shims, Stainless

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

## Dimensions

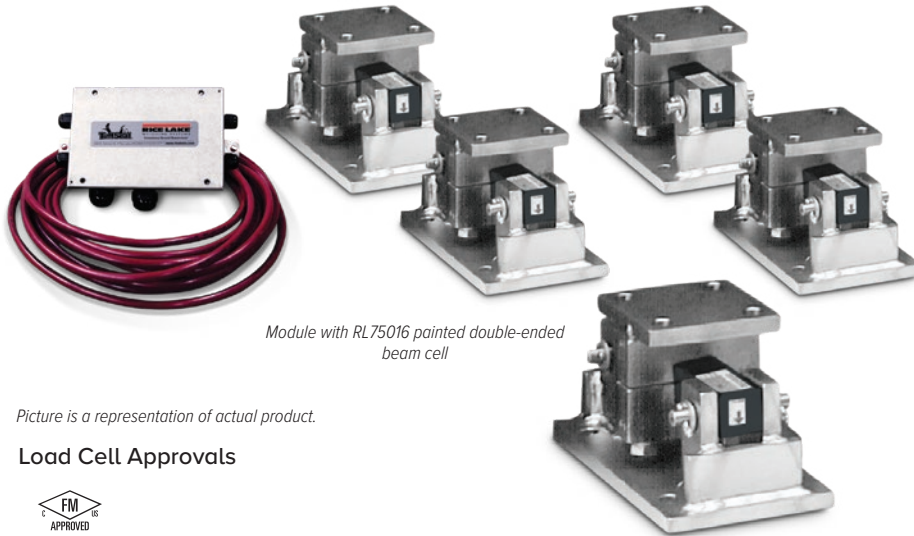
Rated Capacity	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
lb/in													
1,000 to 5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000 to 25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
50,000 to 75,000	0.78	9.25	1.00	1.00	16.25	6.50	9.00	11.50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



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	17813	\$657.00
10,000 lb to 25,000 lb	17815	\$1,283.00
50,000 lb	17842	\$3,032.00
75,000 lb	25347	\$3,032.00
<b>3-Module Kit</b>		
1,000 lb	199023	\$3,736.00
1,500 lb	199025	\$3,736.00
2,000 lb	199027	\$3,736.00
2,500 lb	199029	\$3,736.00
3,000 lb	199031	\$3,736.00
5,000 lb	199033	\$3,736.00
10,000 lb	199035	\$5,645.00
15,000 lb	199037	\$5,645.00
20,000 lb	199038	\$5,645.00
25,000 lb	199040	\$5,645.00
50,000 lb	199042	\$12,800.00
75,000 lb	199044	\$12,800.00
<b>4-Module Kit</b>		
1,000 lb	199024	\$4,876.00
1,500 lb	199026	\$4,876.00
2,000 lb	199028	\$4,876.00
2,500 lb	199030	\$4,876.00
3,000 lb	199032	\$4,876.00
5,000 lb	199034	\$4,876.00
10,000 lb	199036	\$7,711.00
15,000 lb	199056	\$7,711.00
20,000 lb	199039	\$7,711.00
25,000 lb	199041	\$7,711.00
50,000 lb	199043	\$17,283.00
75,000 lb	199045	\$17,283.00

## 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:

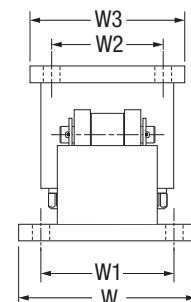
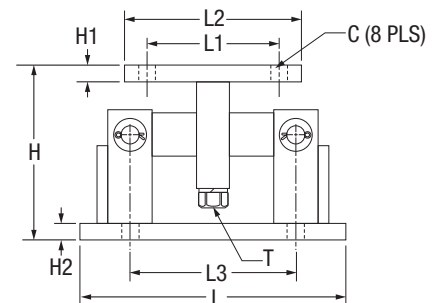
- Capacities (per module): 1,000 to 75,000 lb
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended shear beam design, center loaded

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



WEIGH MODULES

# MVS Mount/MVS

## Conversion Kit



Picture is a representation of actual product.

### Load Cell Approvals



### Order Information

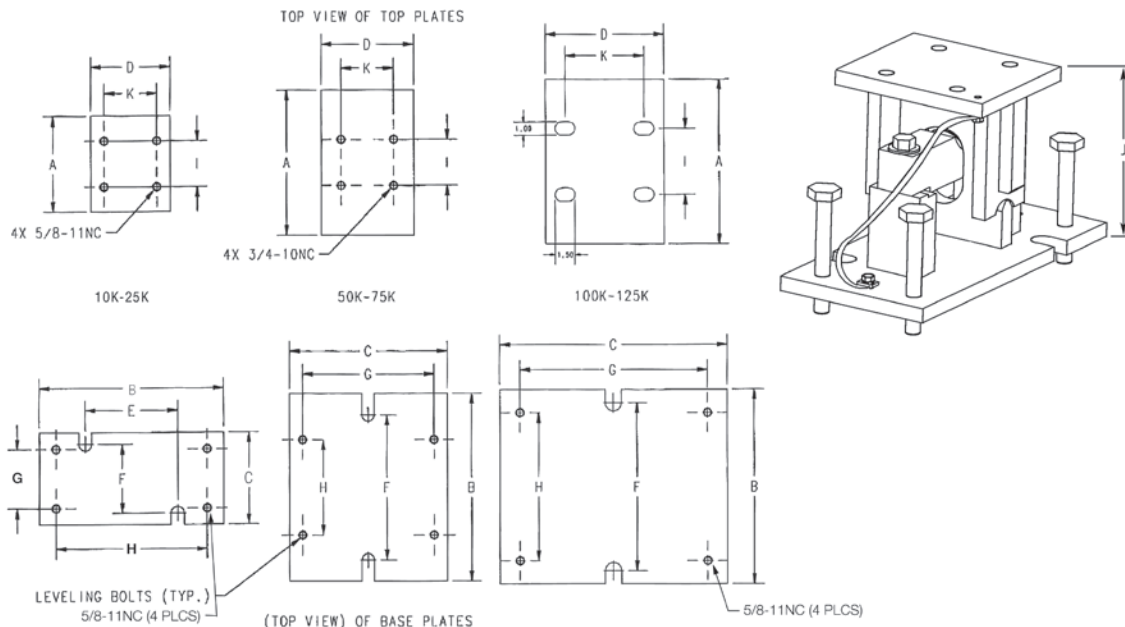
Load Rating (Per Module)	Part #	Price
<b>MVS Mount (Does NOT Include Load Cell)</b>		
10,000 lb to 25,000 lb	<b>71200</b>	\$695.00
50,000 lb to 75,000 lb	<b>46441</b>	\$810.00
100,000 lb to 125,000 lb	<b>68520</b>	\$1,405.00
<b>MVS Conversion Kits (Includes 75,000 lb* Load Cells, Mounts and Junction Box)</b>		
4-module kit	<b>68495</b>	\$7,287.00
6-module kit	<b>68496</b>	\$10,722.00
8-module kit	<b>68497</b>	\$14,580.00
10-module kit	<b>68498</b>	\$18,915.00
<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

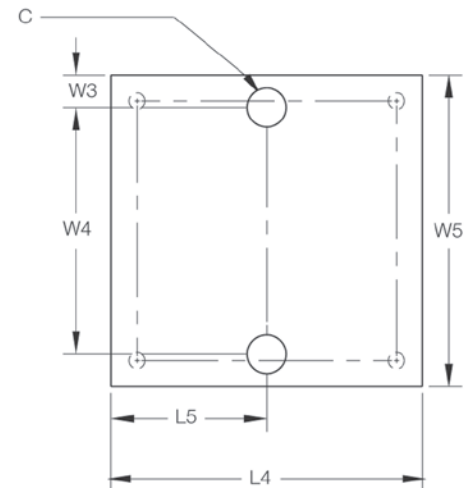
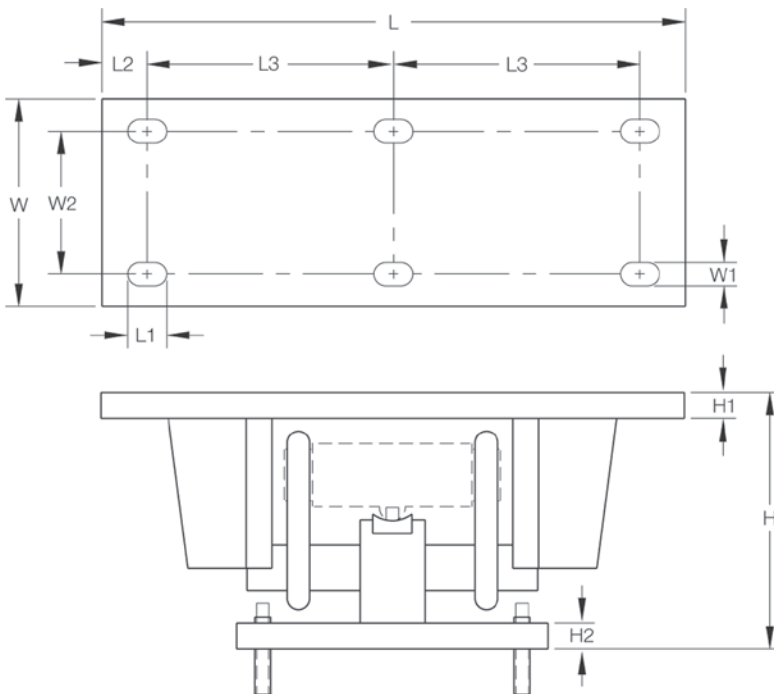
## Order Information

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>	\$845.00
<b>For Use With RL75040, 65040A Load Cells</b>		
25,000 lb to 40,000 lb	<b>17971</b>	\$845.00
50,000 lb to 75,000 lb	<b>17972</b>	\$845.00

Mount only; does not include load cell

## Dimensions

Rated Capacity 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

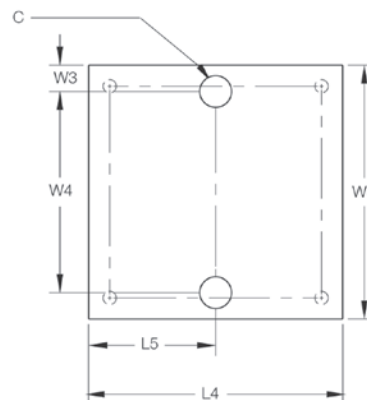
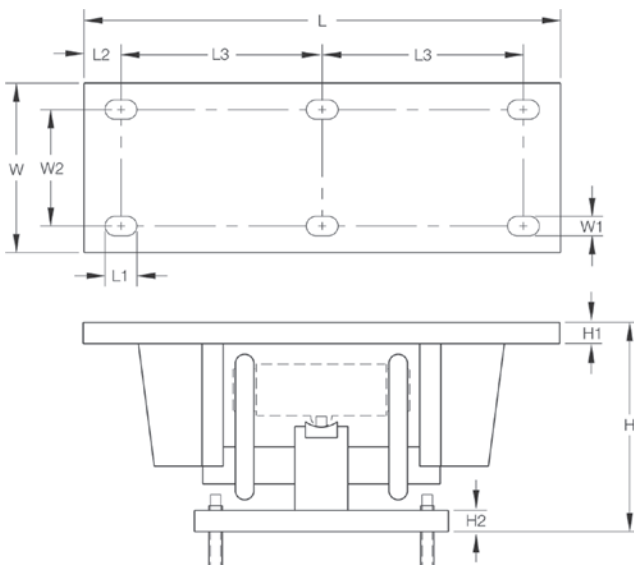
Scale Suggested Capacity	Load Cell Capacity (Per Module)	Part #	Load Cell Used In Kit	Price
<b>4-Module Kit (Includes Weigh Modules Load Cells, Junction Box, and Transient Protection)</b>				
40,000 lb	25,000 lb	<b>30513</b>	RL75040	\$6,164.00
60,000 lb	40,000 lb	<b>30514</b>	RL75040	\$6,694.00
<b>6-Module Kit (Includes Weigh Modules Load Cells, Junction Box and Transient Protection)</b>				
100,000 lb	50,000 lb	<b>30515</b>	RL75040	\$10,525.00
120,000 lb	60,000 lb	<b>30516</b>	RL75040	\$10,525.00
<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	\$13,579.00
200,000 lb	75,000 lb	<b>30518</b>	RL75040	\$13,579.00
300,000 lb	100,000 lb	<b>30512</b>	RL75223	\$16,467.00

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

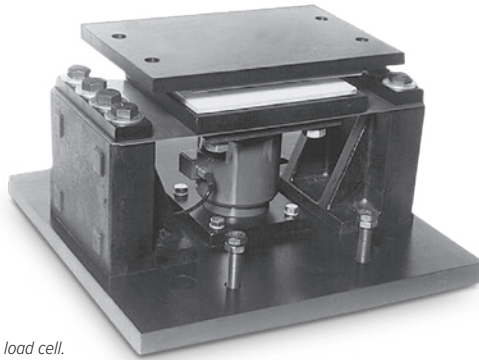
- Cost and time efficient installation; no need to remove weighbridge
- Converts existing scale capacities of 40,000 to 300,000 lb
- Four, six or eight-mount kits for two, three or four section conversions
- Translink™ heavy-capacity mounting assemblies
- Free movement in all directions in the horizontal 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

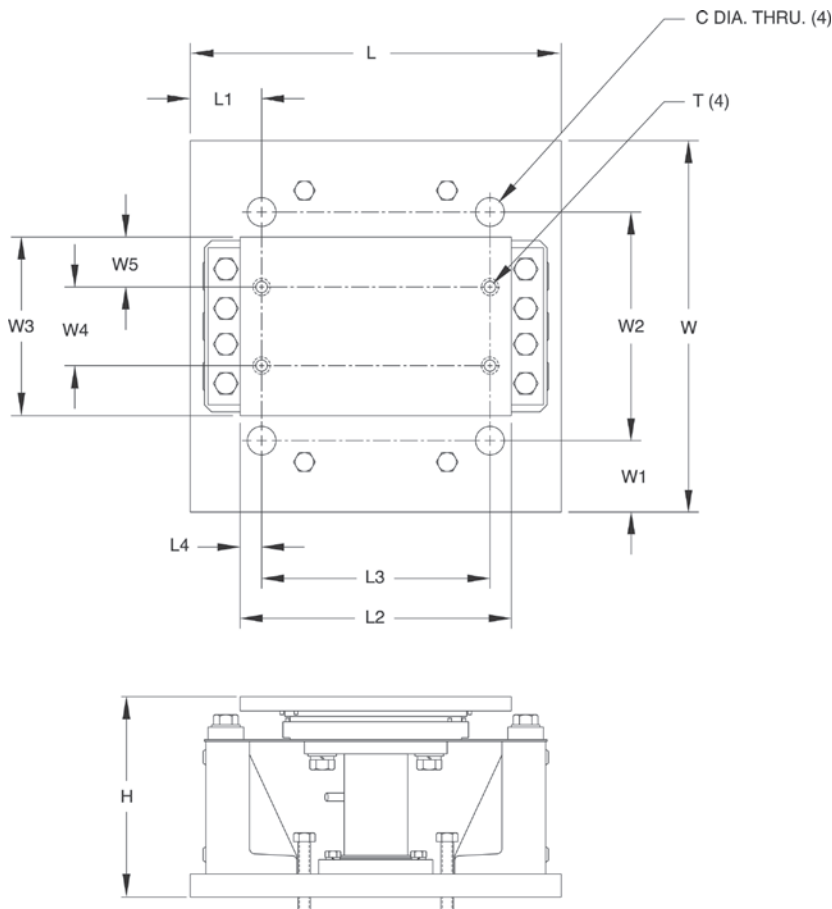
## Order Information

Load Rating (Per Module)	Part #	Price
50,000 lb	21723	\$1,855.00
100,000 lb	21724	\$2,210.00
200,000 lb	17974	\$3,145.00

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	78713	\$9,323.00
10 mount kit (RC1-56,000) 2 JB8SP junction boxes	78714	\$11,337.00
12 mount kit (RC1-56,000) 3 EL304 junction boxes	152774	\$13,987.00

## 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

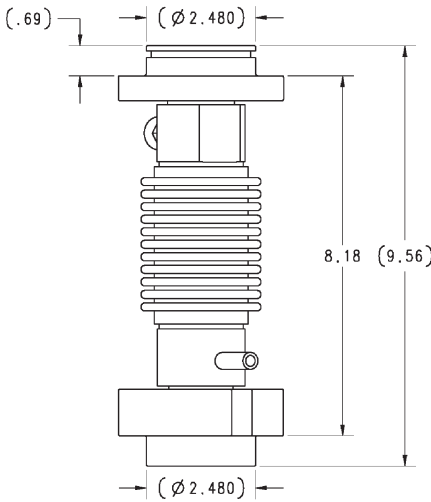
\*Consult your local Weights & Measures Authorities for local Legal for Trade requirements

## 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>	\$12,715.00
8 mount kit (RC3-50T) truck 2 EL304 junction boxes	<b>154347</b>	\$12,715.00
10 mount kit (RC3-50T) RR/track 2 JB8SP junction boxes	<b>111367</b>	\$15,683.00
10 mount kit (RC3-50T) truck 3 EL304 junction boxes	<b>154348</b>	\$15,683.00
12 mount kit (RC3-50T) truck 3 EL304 junction boxes	<b>154349</b>	\$18,216.00

## 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

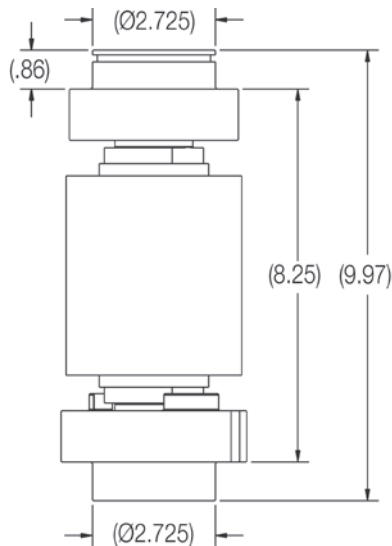
\*Consult your local Weights & Measures Authorities for local Legal for Trade requirements

## Warranty

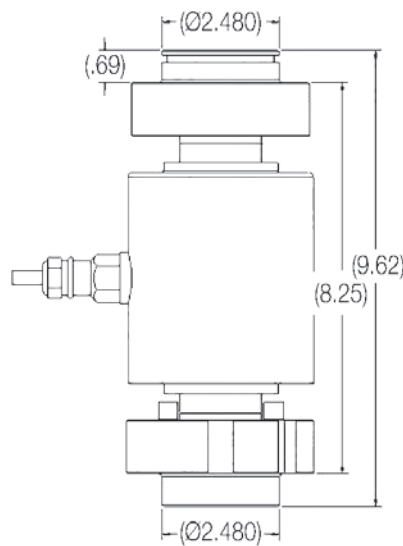
- One-year limited

## Applications

- Mettler Toledo® DigiTOL® truck scale conversion



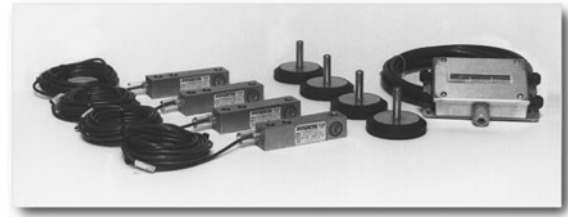
RC3-50t  
RR TRACK



RC3-50t  
TRUCK

WEIGH MODULES

# 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

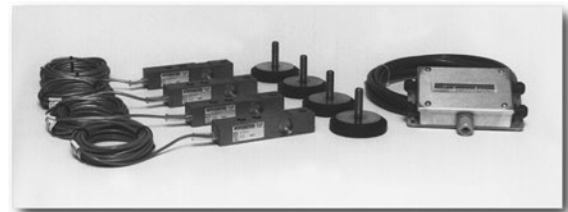
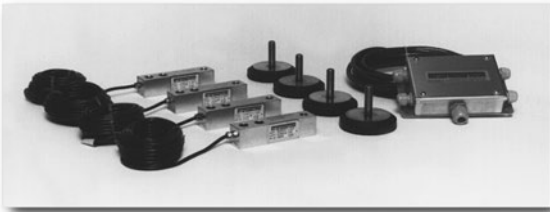
## Chemical, Dry Corrosive & Non-Washdown Applications Kit

### 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 92

#### 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 93

#### 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 94

#### RL20000ST, 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 5,000 lb.



Page 95

#### RL20001I, ALLOY STEEL



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



Page 96

#### RL20001HE, STAINLESS STEEL



The RL20001HE is a full stainless steel, welded-seal, S-beam available in capacities ranging from 500 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 to 5,000 lb.



Page 97

#### RLETS, ALLOY 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 98

#### 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 99

### 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 100

### RL32018, ALLOY STEEL



The Rice Lake RL32018 is an alloy steel single-ended beam cell offered from 250 to 20,000 lb. Each load cell has 20 ft of cable and is FM approved and NTEP certified from 1,000 to 10,000 lb.



Page 101

### RL32018, ALLOY STEEL PAINTED



The Rice Lake RL32018 is a painted alloy steel single-ended beam cell offered from 500 to 20,000 lb. Each load cell has 20 ft of cable and is FM approved and NTEP certified from 1,000 to 10,000 lb. Ideal for fertilizer applications.



Page 102

### RL32018S, STAINLESS STEEL



The RL32018S stainless steel load cell is available in capacities from 250 to 20,000 lb. Sealed to IP66 standards, each cell includes 20 ft of cable and is FM approved. NTEP certified from 1,000 to 10,000 lb.



Page 103

### RL32018S-P, STAINLESS STEEL



The RL32018S-P stainless steel load cell is available in capacities from 1,000 to 10,000 lb. Sealed to IP69K, it has a 3 mV output and is FM approved. Comes complete with 20 ft of PTFE cable.



Page 104

### RL32018S-HE, STAINLESS STEEL



The Rice Lake RL32018S-HE is 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 1,000 to 10,000 lb.



Page 105

### RL32019S-HE, STAINLESS STEEL



The RL32019S-HE is 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 to 10,000 lb.



Page 106

### RL32218S-HE, STAINLESS STEEL



The RL32218S-HE model is similar to the RL32019S-HE but with 20 ft of PTFE cable. As with the RL32019S-HE, this model is also hermetically sealed and comes in capacities from 1,000 to 10,000 lb.



Page 107

### RL9018SS, STAINLESS STEEL



The Rice Lake RL9018SS is a stainless steel, single-ended beam load cell that is hermetically sealed with an IP68/IP69K rating. It is NTEP Certified for capacities from 5 to 500 kg. Each load cell comes with 3 m of cable.



## SINGLE-ENDED BEAMS

Page 108

### 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 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 109

### 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 110

### 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 111

### 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 112

### RL32018S-T, STAINLESS STEEL



The RL32018S-T is a replacement for the RL30745 load cell used in the RLTM weigh modules as well as a replacement for the Mettler Toledo® Model 745. Complete with 15 ft or 30 ft of cable, it is NTEP certified as well as FM approved.



Page 113

### 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 114

### RL35023S, STAINLESS STEEL, PAINTED



The RL35023S painted load cell is a version of the RL35023S stainless steel load cell listed above but with the added protection of a proprietary coating. This coating will protect the load cell element in dry chemical applications that would normally cause standard stainless steel load cells to fail. The most common application is fertilizer.



Page 115

### RLHTO, STAINLESS STEEL



Low profile and hermetic sealing combined with high accuracy makes the RLHTO ideally suited for low-profile platforms, pallet truck weighers, tanks and silos. Hermetically sealed and polyurethane shielded cable enable it to function in harsh environments while maintaining its operating specifications. Capacities range from 500 to 5,000 kg. Complete with 5 m of load cell cable.



# Rice Lake Weighing Systems

## SINGLE-ENDED BEAMS

Page 116

### 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 117

### RLSB250/RLSB250T, STAINLESS STEEL



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



Page 118

### RL50219SS, STAINLESS STEEL



The RL50219SS is a direct replacement for the RL50210SS stainless cantilever beam cell. It is IP67 and comes with 20 ft of cable. Used in the RL50210SS-TA weigh modules in capacities from 25 to 500 lb.



Page 119

### 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 120

### 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 121

### 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 122

### RL32011WB-L, STAINLESS STEEL



The Legal for Trade RL32011WB-L is our direct link-style replacement for the Avery Weigh-Tronix® Weigh Bar®, improved upon with stainless steel construction and IP67 rating for a variety of floor scale, mount assembly and truck scale designs. Standard capacities range from 1,250 to 10,000 lb.



Page 123

### RL32011WB-T, STAINLESS STEEL



The RL32011WB-T, used in many floor scale models, is 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 124

### RL72020, ALLOY STEEL



The RL72020 is an alloy steel, double-ended beam load cell ideal for truck, tank and hopper applications. The RL72020 is available in capacities of 5,000 to 250,000 lb and is complete with 30 ft of load cell cable.



## DOUBLE-ENDED BEAMS

Page 125

### RL72020SS, STAINLESS STEEL



The RL72020SS is a stainless steel, double-ended beam load cell with an environmental seal and Legal for Trade NTEP Certification. Available in capacities of 5,000 to 150,000 lb, the RL72020SS is complete with 30 ft of cable.



Page 126

### RL72020P, STAINLESS STEEL



Ideal for fertilizer, tank and hopper applications, the RL72020P is a painted alloy steel, double-ended beam load cell. Capacities range from 5,000 to 250,000 lb and the RL72020P comes with 30 ft of load cell cable.



Page 127

### RL72019SS, STAINLESS STEEL



The RL72019SS is a direct replacement for the RL72010MH load cell. It is stainless steel and has a welded seal. Complete with 25 ft of cable and available in capacities from 5,000 to 60,000 lb.



Page 128

### 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 129

### RL70000, ALLOY STEEL PAINTED



The RL70000 painted alloy steel, double-ended beam load cell is designed for tank and hopper applications. Ideal for fertilizer applications. Available in capacities ranging from 5,000 to 250,000 lb and complete with 30 ft of load cell cable.



Page 130

### 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 131

### RL75016, ALLOY STEEL



The RL75016 is an alloy steel double-ended beam load cell with center loading. It is designed for tank and hopper applications. Capacities range from 1,000 to 75,000 lb. The load cell comes with 25 feet of load cell cable.



Page 132

### RL75016, ALLOY STEEL, PAINTED



The RL75016 painted double-ended beam with center loading is designed for tank and hopper applications. This painted load cell is a version of the RL75016 load cell but with the added protection of a proprietary coating. This coating will protect the load cell element in dry chemical applications that would normally cause standard cells to fail. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.



Page 133

### 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 134

### 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 135

### 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 136

### 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 137

### 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 138

### RL75058-LP, ALLOY STEEL



The RL75058-LP high-alloy steel, nickel plated load cell has built-in lightning protection and is available in capacities from 10,000 to 125,000 lb. Sealed to IP67, it has a 3 mV output and is cFMus approved and NTEP certified.



Page 139

### RL75058S-LP, STAINLESS STEEL



The RL75058S-LP is a stainless steel, hermetically sealed load cell with built-in lightning protection. It is available in capacities 10,000 to 125,000 lb with an IP68/IP69K rating.



Page 140

### RL75060S, STAINLESS STEEL



With a welded seal and NTEP Certification to 10,000 divisions, the RL75060S provides the ultimate in durability and accuracy in high-capacity process measurement and control. It is also ideal for vehicle weighing in hostile environments. Capacities range from 20,000 lb to 100,000 lb. Complete with 35 ft of load cell cable.



Page 141

### RL75223, ALLOY STEEL



Very 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 with virtually no friction. Compatible with Translink Mounts. Capacities range from 50,000 to 100,000 lb. Complete with 40 ft of load cell cable.





## DOUBLE-ENDED BEAMS

### Page 142

### RLDB50000S-50K, STAINLESS STEEL



The RLD50000S is a 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 143

### 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 144

### 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. RLCSP1 cells are ideal for applications where optimal precision and durability are needed. Capacities range from 25,000 to 200,000 lb. Complete with 35 ft of load cell cable.



### Page 145

### 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 146

### RLSCA, STAINLESS STEEL



RLSCA load cell is designed to be a replacement for Cardinal® SCA products. It features all stainless steel construction and welded sealing to provide IP67 environmental protection. This package includes a load cell and two retrofit cups that allow the RLSCA to match up with various field applications. Backed by NTEP IIIIL 10M Certification, this unit provides an easy-to-install and easy-to-access alternative to similar products on the market. Available in a 50,000 lb package, the RLSCA includes 30 ft of standard load cell cable.



### Page 147

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



The RL70510 and RL80453 rocker cells are replacements for the Fairbanks® 70510 and 80453 rocker cells found in many truck scales. They are stainless steel and hermetically sealed.



### Page 148

### RL75114-50K, STAINLESS STEEL



The RL75114 is a stainless steel, hermetically sealed rocker column designed to interchange with Fairbanks® part number 64166. It has 30 ft of overbraid cable to protect it from abrasion and rodents. NTEP Certified.



# Rice Lake Weighing Systems

## COMPRESSION DISK

Page 149

### RL90000, ALLOY STEEL



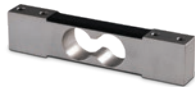
Environmentally sealed low-profile compression disk. Models with capacities of 5,000 lb and 10,000 lb can also be used in tension loading applications. Shear web design provides excellent performance and its low profile makes it ideal for applications where height is critical. Capacities range from 5,000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



## SINGLE POINTS

Page 150

### 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 151

### RLPC4SS-HE, STAINLESS STEEL



The RLPC4SS-HE is a stainless steel hermetically sealed single-point designed for bench scales used in washdown applications. Capacities from 10 to 100 kg, and is NTEP certified and OIML approved.



Page 152

### RLPC6, STAINLESS STEEL



The RLPC6 is a stainless steel, hermetically sealed single-point load cell. Can be used in any application where moisture is a problem. The RLPC6 is NTEP certified and is provided with 10 ft of cable. Capacities from 10 to 200 kg.



Page 153

### RLPWM15HE, STAINLESS STEEL



The RLPWM15HE is a hermetically sealed, stainless steel, single-point load cell. The unique sealing techniques employed provide the RLPWM15HE with true hermetic sealing to IP69K. Available in capacities ranging from 10 to 100 kg. NTEP Certified and comes complete with 10 ft of load cell cable.



Page 154

### RLPWM15, STAINLESS STEEL



The environmentally sealed RLPWM15 replaces HBM's PW15 for many bench scale types. This stainless steel model with both NTEP Certification and FM approval comes in a range of capacities from 10 to 150 kg. Complete with 10 ft of load cell cable.



Page 155

### RLPCBC-60, STAINLESS STEEL



The RLPCBC-60 is a stainless steel, hermetically sealed, single-point load cell. Can be used in applications where moisture is a problem. It is NTEP certified and comes complete with 10 ft of load cell cable. Capacity ranges from 50 to 1,000 kg.



Page 156

### RL1521A, ALUMINUM



The RL1521A is a very low profile single-point load cell designed for electronic bench scales and platform scales where only one load cell is used. Intended as a replacement for the VPG BLH and NMB® C2G1, capacities range from 3 to 35 kg.



## SINGLE POINTS

Page 157

### RL1010, ALUMINUM



Off-center loading load cell designed for direct mounting of the 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. Potted models in capacities ranging from 7 to 90 kg with 10 ft of load cell cable; unpotted models in capacities of 3 kg and 5 kg with 3 ft of load cell cable. NTEP Certified from 10 to 50 kg.



Page 158

### RLSP4, ALUMINUM



The RLSP4 is a low-profile, off-center load cell designed for use in retail, postal and platform scale applications. This high accuracy single point is manufactured from aluminum, and is moment-compensated for optimal accuracy. The product is protected by a quality gauge coating compound that provides a barrier against high humidity environments. This product is available in capacities ranging from 5 to 100 kg, and comes standard with 10 ft of load cell cable.



Page 159

### 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 160

### 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 161

### 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 162

### RL1040, ALUMINUM



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



Page 163

### RL1140, STAINLESS STEEL



This single-point cell is constructed of stainless steel. The RL1140 is ideal for platform scales, packaging and process weighing equipment. Capacities range from 15 to 150 kg. Complete with 10 ft of load cell cable.



Page 164

### RL1380, STAINLESS STEEL



This single-point cell is constructed of stainless steel, and is designed for high performance in moist environments. These features provide an excellent option when stainless steel is required for an application. The RL1380 is available in capacities ranging from 7 to 60 kg. Complete with 10 ft of load cell cable.



# Rice Lake Weighing Systems

Page 165

## RL1385, STAINLESS STEEL



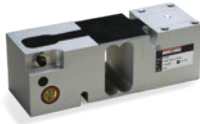
Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform, hanging scales and other low-capacity beam applications. Stainless steel construction and a unique humidity-resistant protective coating provides long-term stability, even in harsh environments. Potted cavities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



SINGLE POINTS

Page 166

## 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 167

## RL260FD, STAINLESS STEEL



The RL260FD is a Rice Lake fluid dampened load cell. The stainless steel housing and standard breather tube provides excellent protection in most applications. It is available from 2 to 50 kg capacities. This load cell is NTEP certified and FM approved.



Page 168

## RL26018A, ALUMINUM



The Rice Lake RL26018A aluminum, single-point load cell is ideal for bench scales and comes in capacities from 50 to 635 kg. It is NTEP and FM approved and is environmentally sealed to IP67. Complete with 10 ft of cable.



Page 169

## RL1218A, ALUMINUM



The Rice Lake RL1218A aluminum, single-point load cell is a high-capacity, off-center loading load cell. It weighs loads from 50 to 1,000 kg. These load cells, with potted cavities, offer excellent performance in damp environments.



Page 170

## RL42018A, ALUMINUM



Rice Lake's RL42018A is an aluminum, IP66 single-point load cell. The RL42018A is available in capacities ranging from 3 to 100 kg, and has NTEP certified and FM approvals. 10 ft of cable is included.



Page 171

## 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 a capacities 50 lb and 75 lb.

PLANAR BEAMS

Page 172

## 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 173

### RL2010 TENSION LINK



The RL2010 tension link load cell ranges in capacities 5,000 to 500,000 lb. This proves to be the perfect choice for those unique tension applications. It is constructed of stainless steel for years of trouble-free service.

## MSI

Page 174

### 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 175

### MSI LOAD PIN QUESTIONNAIRE

Page 176

### 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 177

### 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 28

#### 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:

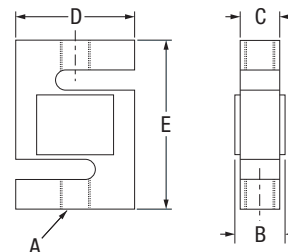
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

##### 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 244

ARTECH®

**SS2010**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension Cell**

**Mount** ..... page 28

#### 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

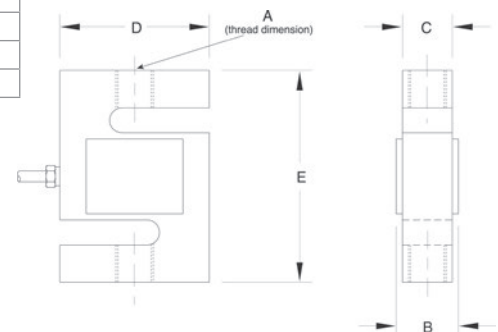
##### Warranty:

Two-year limited

##### Approvals:

NTEP 98-078

cFMus



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



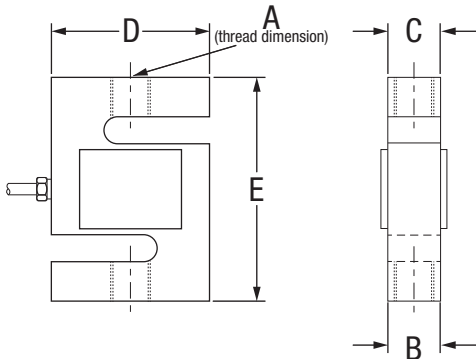
Order Information

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



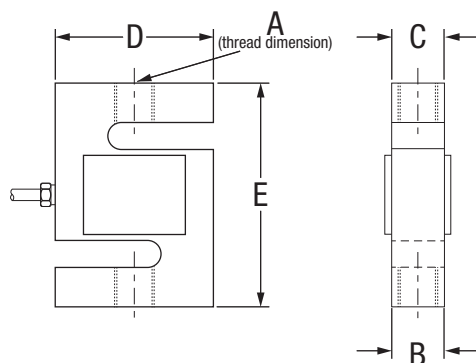
#### Order Information

Load Rating	Part #	Est. Weight	Price
250 lb	21402	2 lb	\$290.00
500 lb	21403	2 lb	\$290.00
750 lb	21404	2 lb	\$290.00
1,000 lb	21405	2 lb	\$290.00
1,500 lb	21406	2 lb	\$290.00
2,000 lb	21407	3 lb	\$290.00
2,500 lb	21408	4 lb	\$290.00
3,000 lb	21409	3 lb	\$334.00
5,000 lb	21410	4 lb	\$466.00
10,000 lb	21411	5 lb	\$466.00
15,000 lb	21412	7 lb	\$588.00
20,000 lb	21413	16 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

\*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 188

VPG® SENSORTRONICS®

**60001**.....page 275

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension Cell**

**Mount**.....page 28

#### 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**

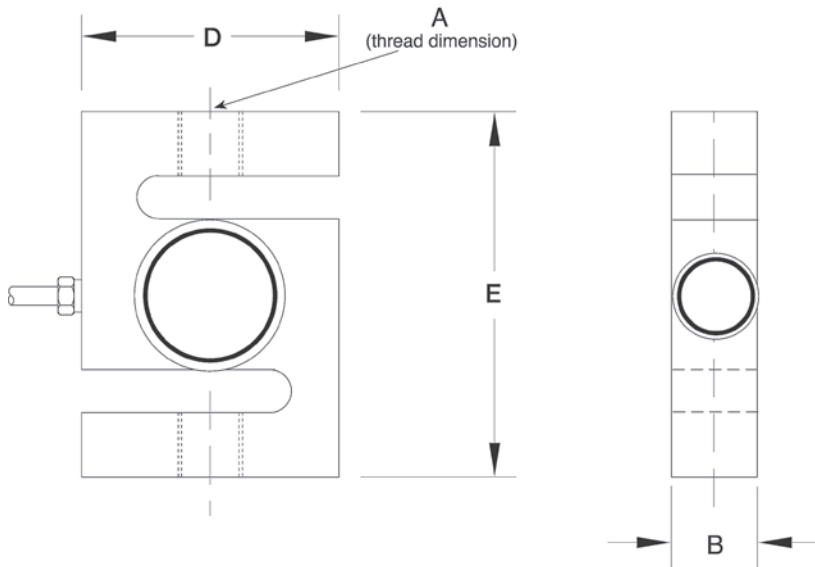


**Order Information**

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 277

**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS  
**ITCM HE Isolated  
Tension Cell Mount**..... page 30

**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:**

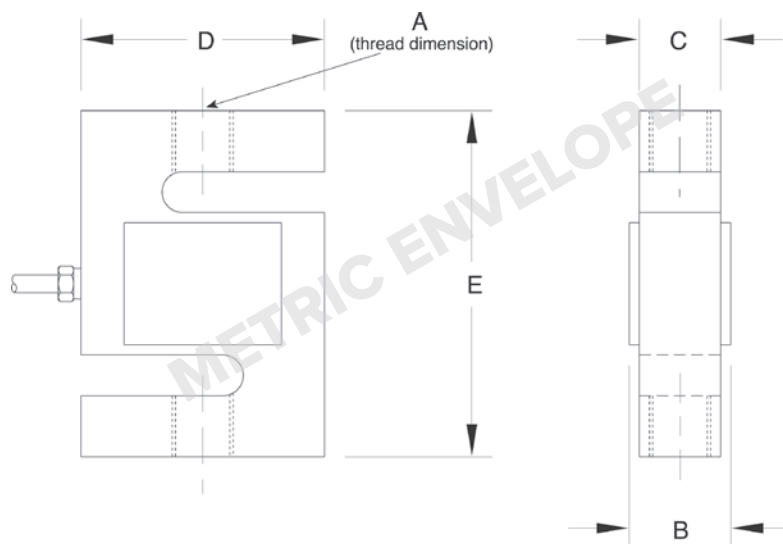
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

**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

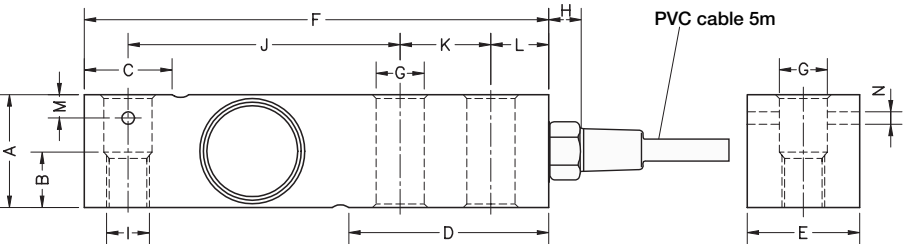


Order Information

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





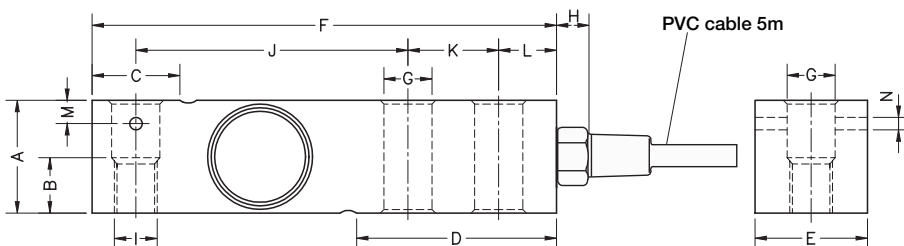
## Approvals



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



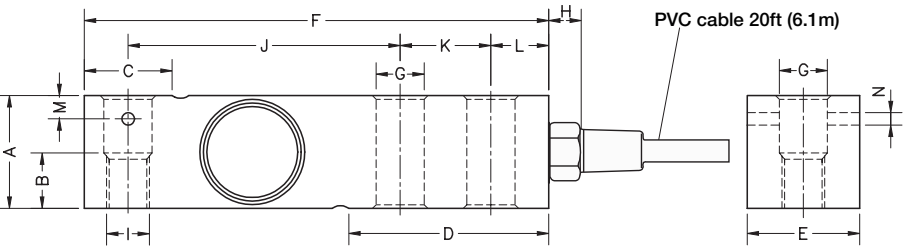
Order Information

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 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 281  
VPG® CELTRON  
**SQB**.....page 191

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL50210TA**..... page 31  
RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series** ..... page 42

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:**  
cFMus  
NTEP 18-106



Picture is a representation of actual product.

## Approvals



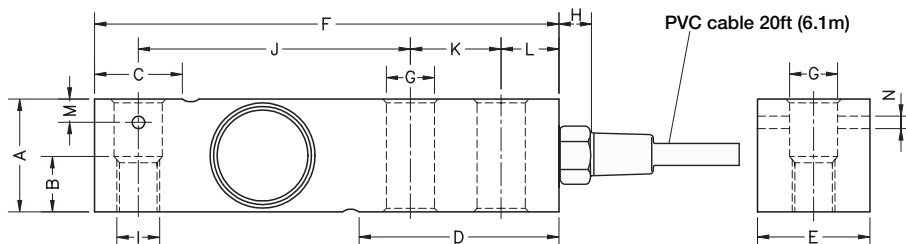
## Order Information

Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified</b>			
1,000 lb	207842	2 lb	\$344.00
1,500 lb	207843	2 lb	\$344.00
2,000 lb	207844	2 lb	\$344.00
2,500 lb	207845	2 lb	\$344.00
3,000 lb	207846	5 lb	\$344.00
4,000 lb	207847	5 lb	\$344.00
5,000 lb SE	207848	5 lb	\$344.00
5,000 lb LE	207850	5 lb	\$434.00
10,000 lb	207851	5 lb	\$434.00
<b>Non-NTEP Certified</b>			
15,000 lb	207852	10 lb	\$715.00
20,000 lb	207853	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 281  
VPG® CELTRON  
**SQB**.....page 191

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL50210TA**.....page 31  
RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series**.....page 42

## 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

SINGLE-ENDED BEAM  
**RL32018S**

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP66



Picture is a representation of actual product.

Approvals



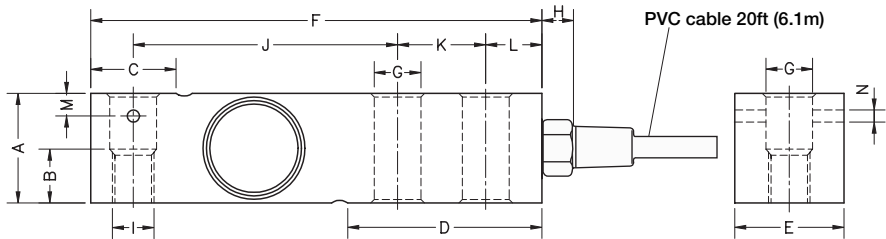
Order Information

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 114
VPG® SENSORTRONICS®	
65023S	.....page 283
VPG® SENSORTRONICS®	
65023SS	.....page 282
VPG® CELTRON	
SQB-HSS	.....page 192

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
RL50210TA	.....page 31
RICE LAKE WEIGHING SYSTEMS	
RL1800 Series	.....page 42

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



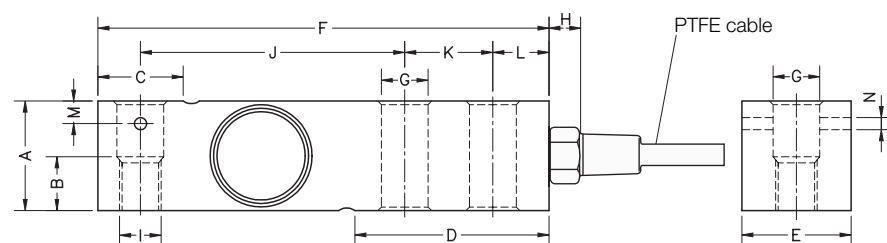
## Order Information

Load Rating	Part #	Est. Weight	Price
500 lb	<b>189175</b>	3 lb	\$429.00
1,000 lb	<b>190654</b>	3 lb	\$371.00
2,000 lb	<b>190655</b>	3 lb	\$371.00
2,500 lb	<b>190656</b>	3 lb	\$371.00
4,000 lb	<b>190657</b>	3 lb	\$371.00
5,000 lb SE	<b>190658</b>	3 lb	\$371.00
5,000 lb LE	<b>190659</b>	5 lb	\$418.00
10,000 lb	<b>190660</b>	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														
500 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 104

VPG® SENSORTRONICS®

**65083**.....page 284

VPG® CELTRON

**SQB-HSS**.....page 192

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**.....page 42

## 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

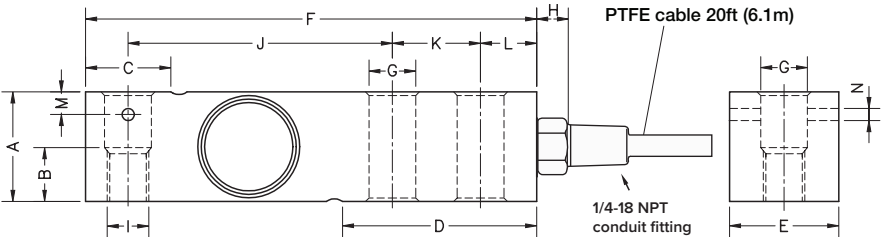


Order Information

Load Rating	Part #	Est. Weight	Price
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														
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  
**RL32018S-P (non-NTEP)** .page 103  
VPG® SENSORTRONICS®  
**65083**..... page 284  
VPG® CELTRON  
**SQB-HSS** ..... page 192

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series** ..... page 42

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

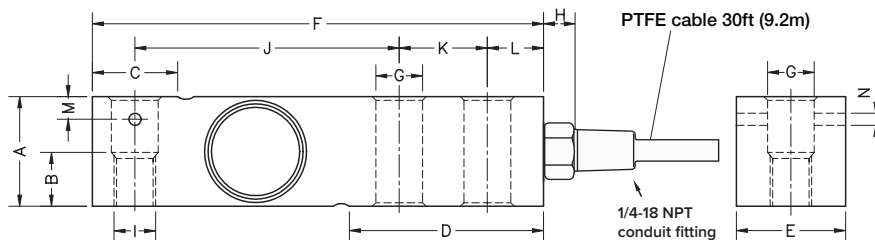


#### Order Information

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 285

#### 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

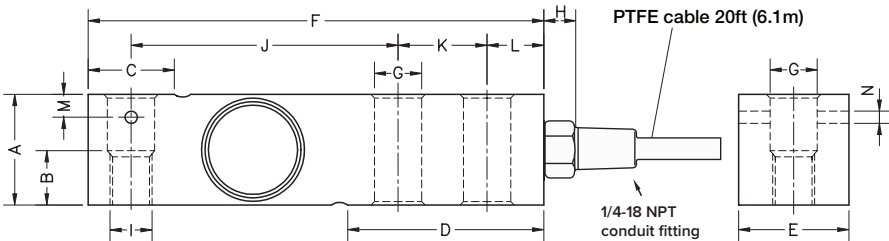


Order Information

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	-	-



RICE LAKE  
LOAD CELLS

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL35082

VPG® SENSORTRONICS®

65083S ..... page 285

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA ..... page 31

RICE LAKE WEIGHING SYSTEMS

RL1800 Series ..... page 42

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

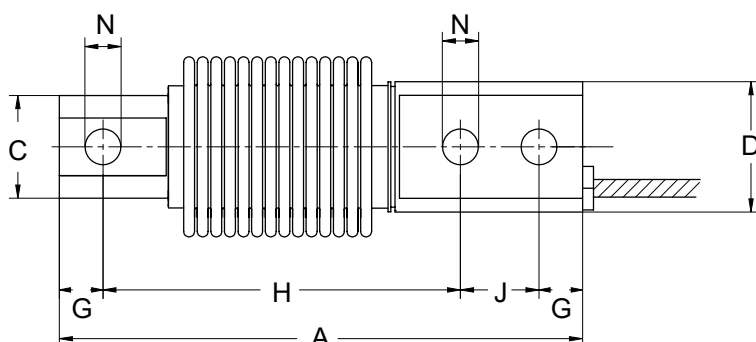
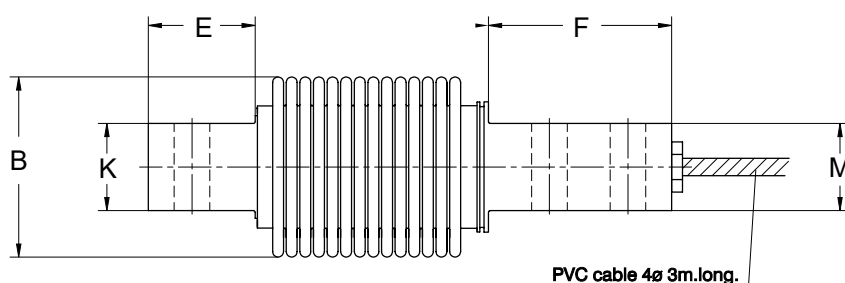


#### Order Information

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 309

#### 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:

cFMus

NTEP 18-107

OIML R60/2017-A-NL1-19.27



Picture is a representation of actual product.

#### Approvals



#### Order Information

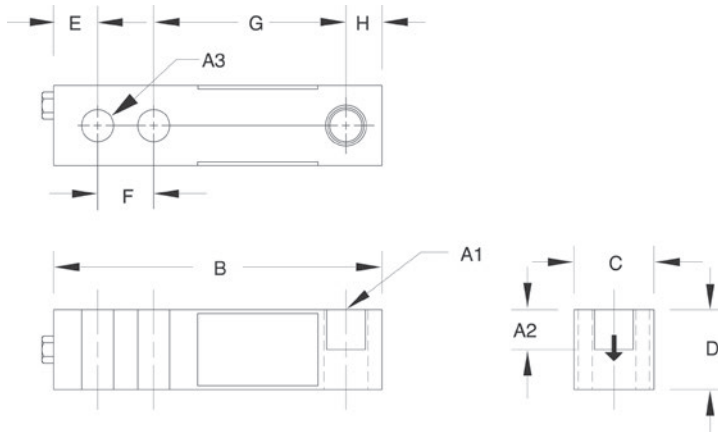
Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified</b>			
1,000 lb	21491	3 lb	\$312.00
2,000 lb	21493	3 lb	\$312.00
2,500 lb	21495	3 lb	\$312.00
3,000 lb	21497	3 lb	\$312.00
4,000 lb	21498	3 lb	\$312.00
5,000 lb SE	21500	3 lb	\$312.00
5,000 lb LE	21501	5 lb	\$398.00
10,000 lb	21503	5 lb	\$398.00
<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 246

VPG® TEDEA-HUNTLEIGH

**3411**..... page 306

ARTECH®

**30310**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 31

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 42

#### 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

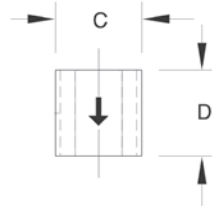
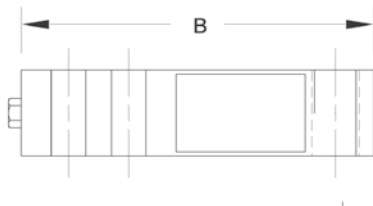
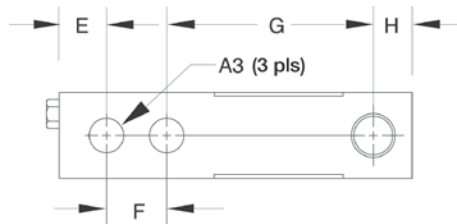
Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified</b>			
1,000 lb	21521	3 lb	\$312.00
2,000 lb	21522	3 lb	\$312.00
2,500 lb	21523	3 lb	\$312.00
4,000 lb	21524	3 lb	\$312.00
5,000 lb SE	21525	3 lb	\$312.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>			
3/8-24 nipple	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:

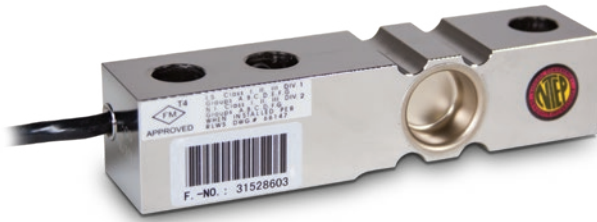
Two-year limited

### Approvals:

cFMus

NTEP 98-043

RICE LAKE  
LOAD CELLS



Picture is a representation of actual product.

#### Approvals

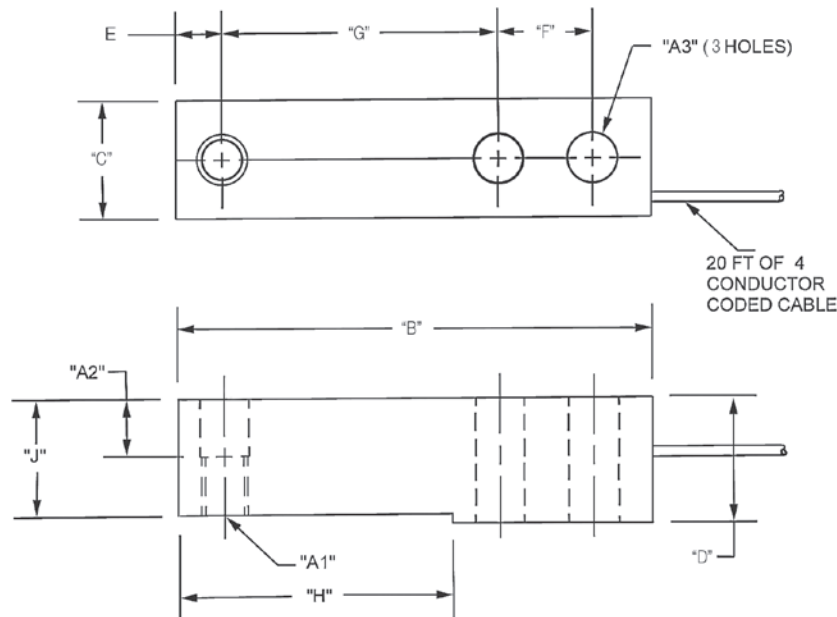


#### Order Information

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 224
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



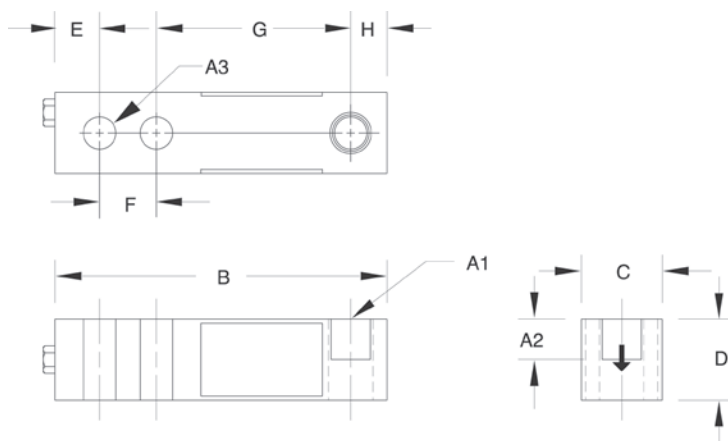
## Order Information

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 247

ARTECH®

**SS30310**

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 31

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 42

## 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

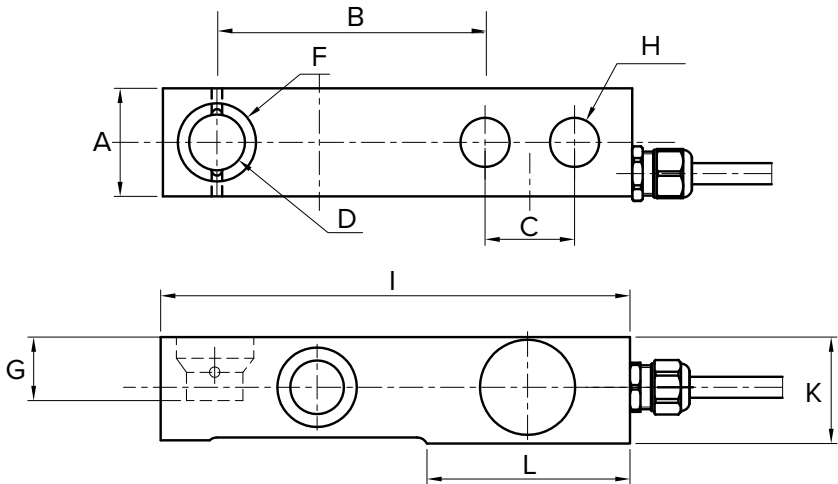


Order Information

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 46

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

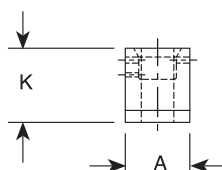
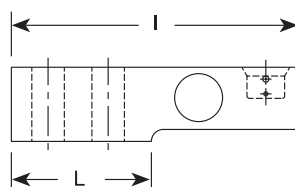
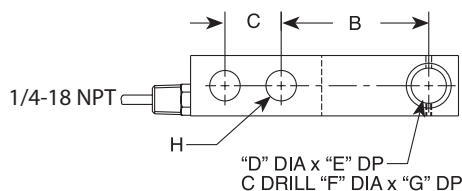


#### Order Information

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 46

#### Specifications

**Full Scale Output:**  
2.0 mV/V,  $\pm 0.002$  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



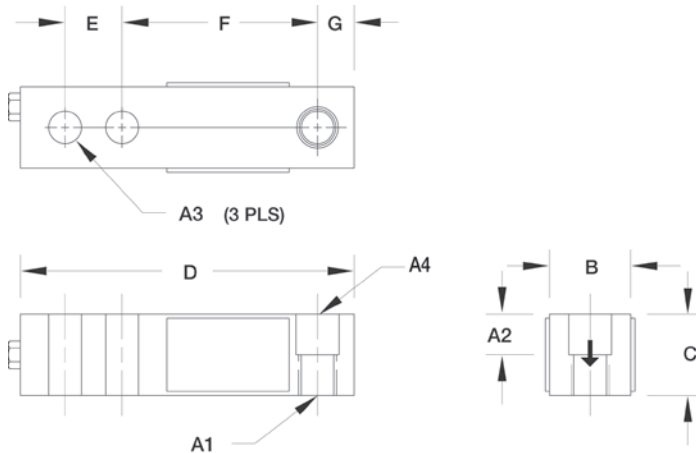
## Order Information

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 283
VPG® SENSORTRONICS	
<b>65023SS*</b>	..... page 282
VPG® CELTRON	
<b>SQB-HSS*</b>	..... page 192

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
<b>RL50210TA</b>	..... page 31
RICE LAKE WEIGHING SYSTEMS	
<b>RL1800 Series</b>	..... page 42

\*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

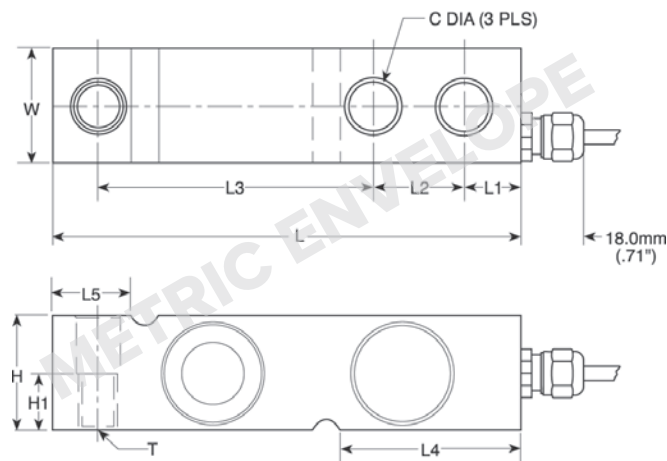


## Order Information

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 308

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

1700 HE ..... page 23

## 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

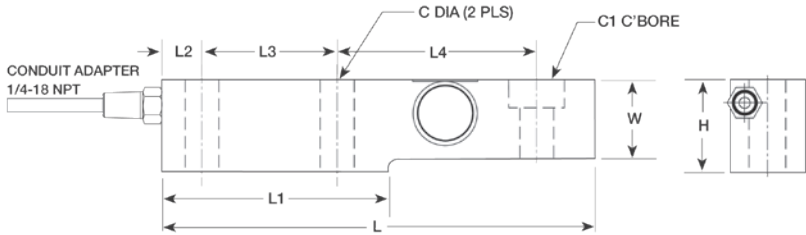


Order Information

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 254  
HBK®  
SB3  
ARTECH®  
SS30610

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
RL1900 Series ..... page 45

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

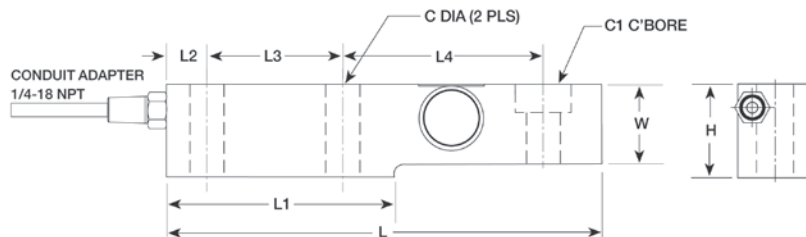


## Order Information

Load Rating	Part #	Est. Weight	Price
<b>Threaded</b>			
2,500 lb	116053	6 lb	\$636.00
5,000 lb	116054	6 lb	\$742.00
<b>Thru Hole</b>			
2,500 lb	34482	6 lb	\$636.00
10,000 lb	116055	10 lb	\$742.00
<b>Options</b>			
Load cell button	116084	—	\$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

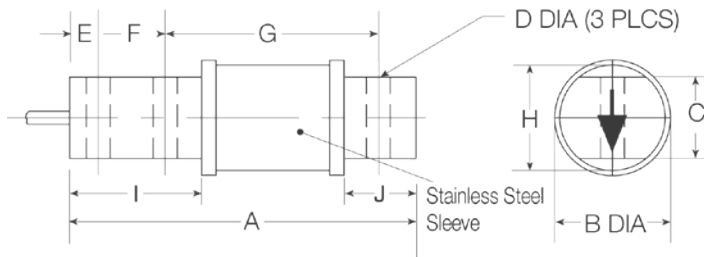


**Dimensions**

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 120  
RICE LAKE WEIGHING SYSTEMS  
**RL50210** (alloy) .....page 119

**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS  
**RL50219SS-TA**..... page 35

**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

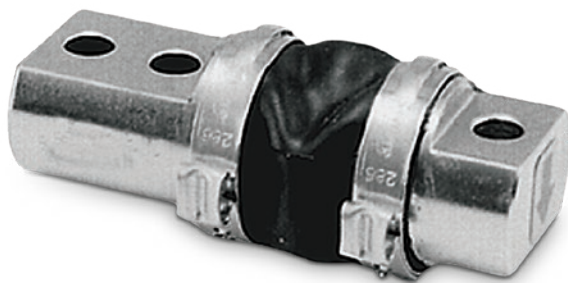
**Combined Error:**  
0.017% full scale

**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

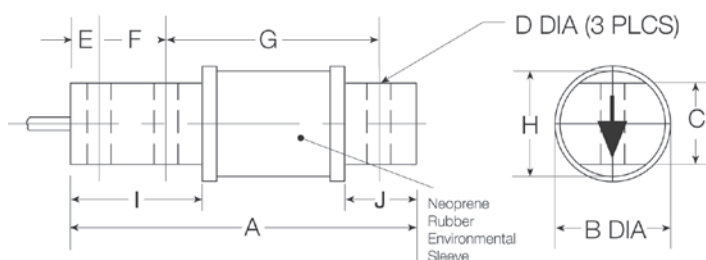


### Order Information

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 118

VP® SENSORTRONICS®

**60040** ..... page 286

ARTECH®

**50210**

VP® REVERE

**5503**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 31

### 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



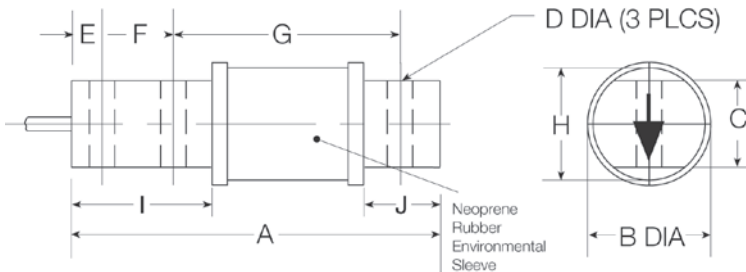
Picture is a representation of actual product.

### 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 118

VPG® SENSORTRONICS\*

**60040** ..... page 286

ARTECH\*

**50210**

VPG® REVERE\*

**5503**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 31

\*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



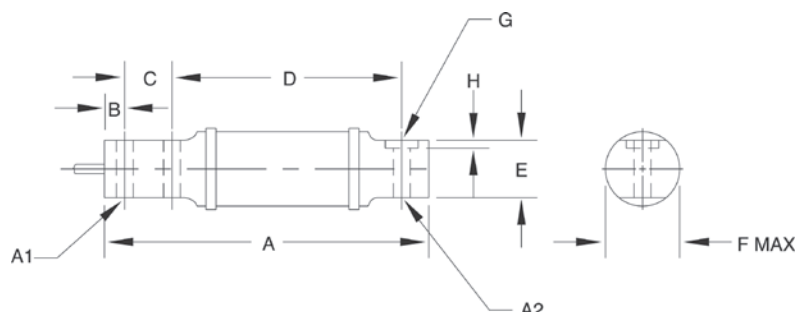
Picture is a representation of actual product.

## 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 225  
 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

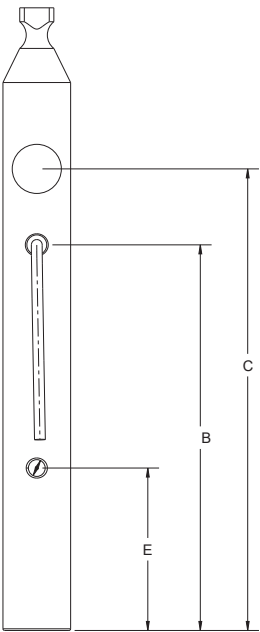
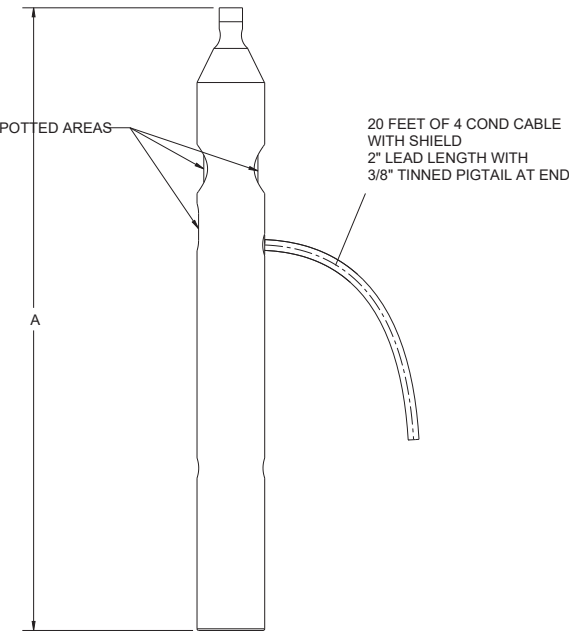
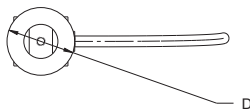


Order Information

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 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

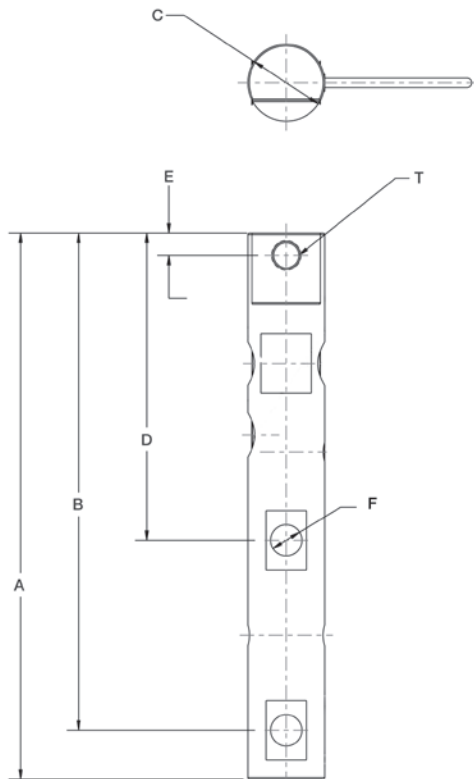


## Order Information

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 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

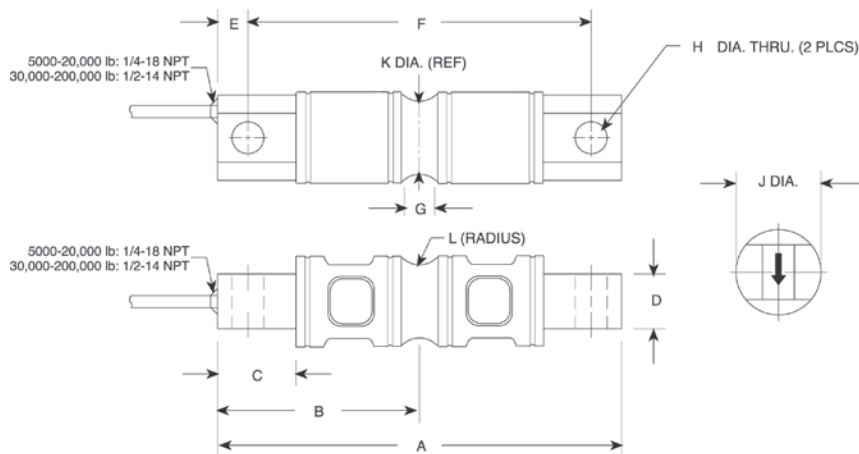


#### Order Information

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 128

VP® REVERE

**5103\***.....page 255

ARTECH®

**70210**

METTLER-TOLEDO®

**SLD 430**

\*Conduit adapter optional

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1**.....page 62

#### 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 130

VP® REVERE

**9103** ..... page 256

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1 SS** ..... page 64

### 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

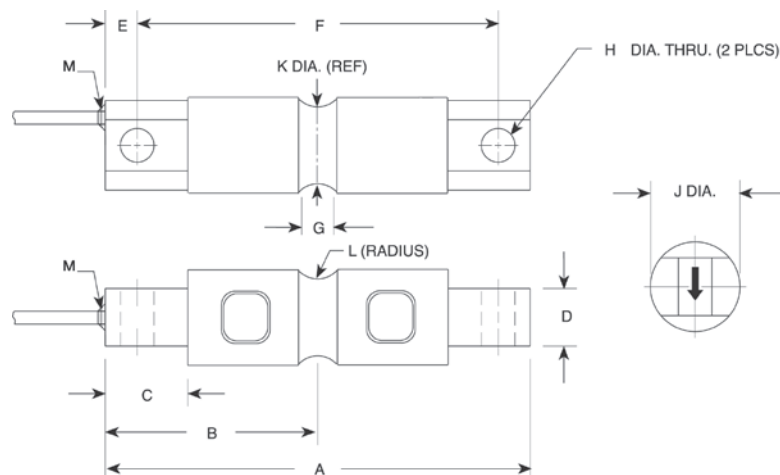


### Order Information

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

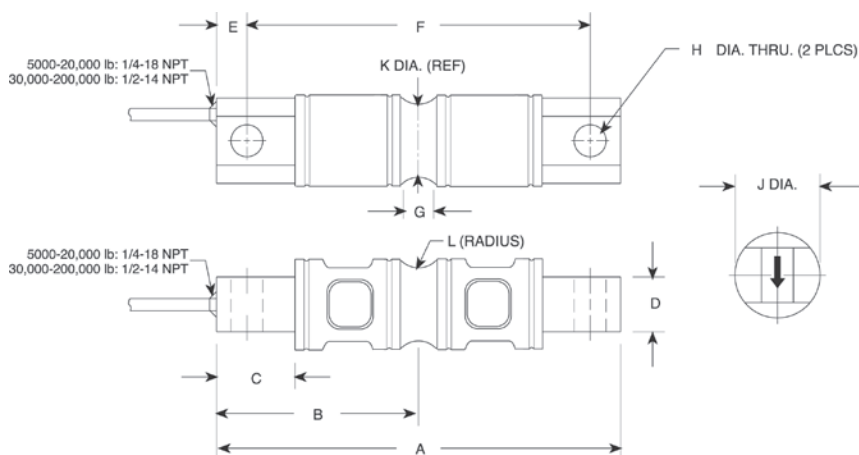


### Order Information

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 128

RICE LAKE WEIGHING SYSTEMS

**RL70000 Painted** ..... page 129

VPG® REVERE

**5103\*** ..... page 255

ARTECH®

**70210**

METTLER-TOLEDO®

**SLD 430**

\*Cells are unpainted

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1** ..... page 62

### 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

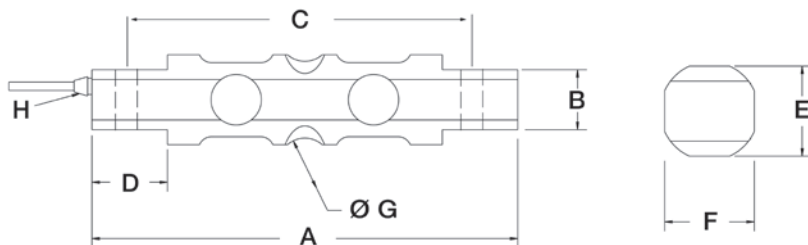


#### Order Information

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 130

VPG® REVERE

**9103** ..... page 256

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1 SS** ..... page 64

#### 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

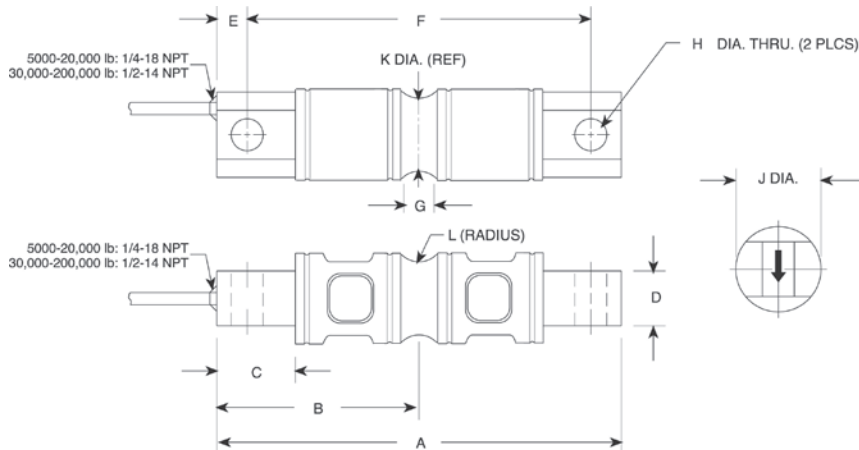


#### Order Information

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

**RL70200**..... page 124

VPG® REVERE\*

**5103\***..... page 255

ARTECH®

**70210**

METTLER-TOLEDO®

**SLD 430**

\*Conduit adapter optional

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1**..... page 62

#### 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

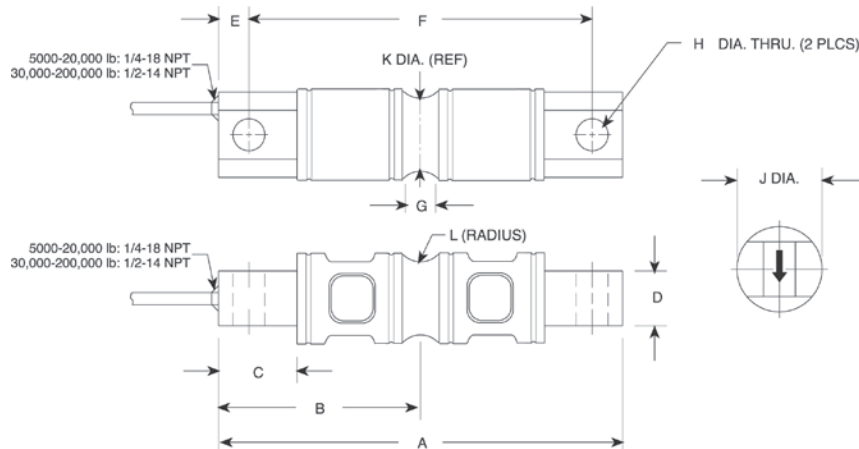


#### Order Information

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 128
RICE LAKE WEIGHING SYSTEMS	
<b>RL72020*</b> .....	page 124
RICE LAKE WEIGHING SYSTEMS	
<b>RL72020P</b> .....	page 126

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
<b>EZ Mount 1</b> .....	page 62

\*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

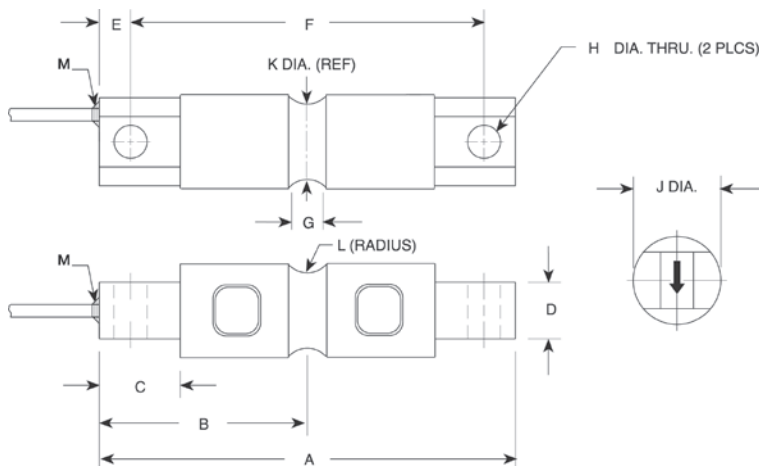


## Order Information

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 127
RICE LAKE WEIGHING SYSTEMS	
RL72020SS.....	page 125
VPG® REVERE	
9103.....	page 256
METTLER TOLEDO®	
SLD-530	

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
EZ Mount 1.....	page 62

## Specifications

<b>Full Scale Output:</b>	3.0 mV/V
<b>Output Resistance:</b>	700 (± 7) ohm
<b>Input Resistance:</b>	700 (± 7) ohm
<b>Material/Finish:</b>	Stainless steel
<b>Temperature:</b>	Compensated range 0 °F to 150 °F (-18 °C to 65 °C) Operating range 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>Safe Sideload:</b>	100% full scale
<b>Rated Excitation:</b>	5 to 10 V AC/DC (15 V max)
<b>Non-repeatability:</b>	0.02% full scale
<b>Combined Error:</b>	0.3% full scale
<b>Insulation Resistance:</b>	5,000 megohm
<b>Deflection at Capacity:</b>	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
<b>Cable Length:</b>	30 ft
<b>Cable Diameter:</b>	0.295 in Polyurethane jacket
<b>Cable Color Code:</b>	Red +Excitation Black -Excitation Green +Signal White -Signal
<b>Warranty:</b>	Two-year limited
<b>Approvals:</b>	cFMus NTEP 12-050

RICE LAKE  
LOAD CELLS



Picture is a representation of actual product.

## Approvals



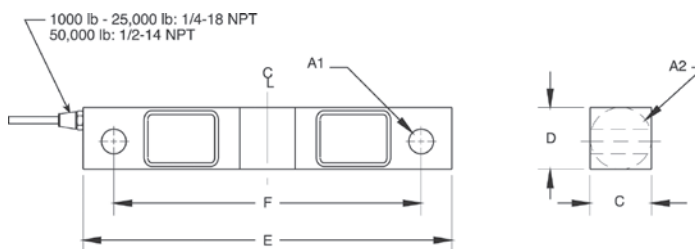
## Order Information

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

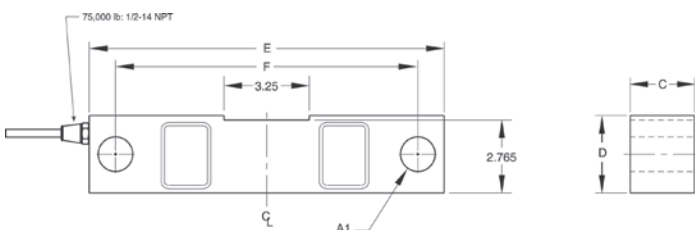
\*75,000lb capacity has a square center

## 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



1000-50,000lb



75,000lb

## Interchangeable Products

VPG® CELTRON

**DSR**.....page 195

VPG® SENSORTRONICS®

**65016**.....page 290

VPG® REVERE

**5203**

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1600 Series** page 67 and page 69

## 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



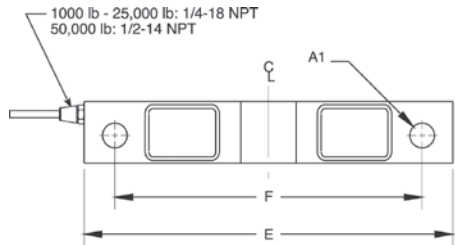
Order Information

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

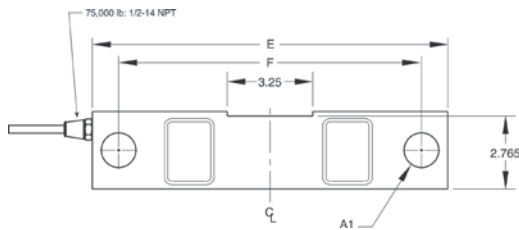
\*75,000lb capacity has a square center

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 131

VPG® CELTRON

**DSR\*** (Alloy) .....page 195

VPG® SENSORTRONICS®

**65016\*** (Alloy).....page 290

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1600 Series** .... page 67 and page 69

\*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



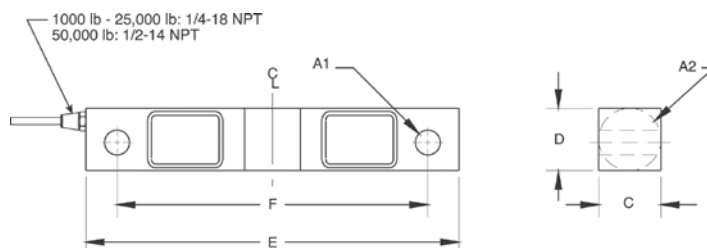
## Order Information

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

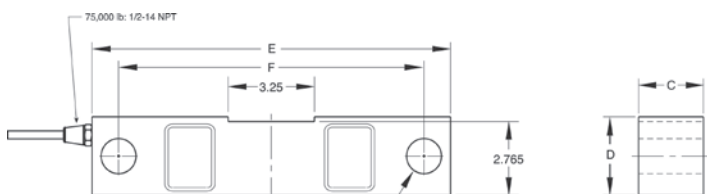
\*75,000lb capacity has a square center

## Dimensions

Rated Capacity 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 135

VPG® SENSORTRONICS®

**65016W** ..... page 291

VPG® SENSORTRONICS

**65016WH\*** ..... page 292

VPG® REVERE

**9203**

## Weigh Module Available

SURVIVOR®

**RL1600 HE Series**..... page 24

\*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



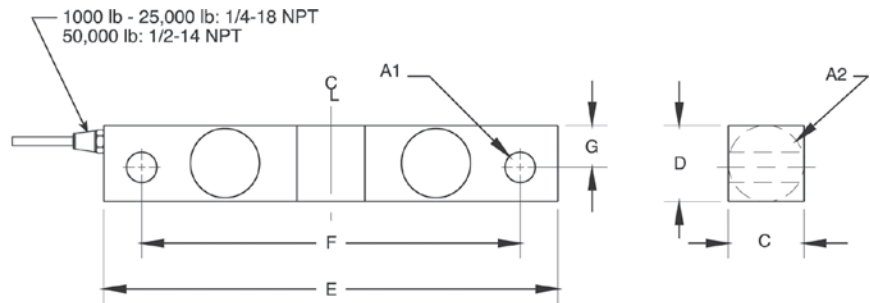
Picture is a representation of actual product.

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 133
- RICE LAKE WEIGHING SYSTEMS
- RL75016WHE.....page 135

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

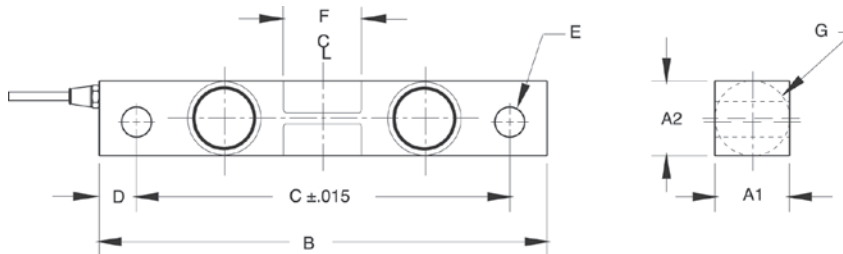


## Order Information

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 133
RICE LAKE WEIGHING SYSTEMS	
<b>RL75016SS-W*</b>	..... page 134
VPG® SENSORTRONICS®	
<b>65016W*</b>	..... page 291
VPG® SENSORTRONICS	
<b>65016WH</b>	..... page 292

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
<b>RL1600 Series</b>	page 67 and page 69
*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 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 Polyurethane jacket
<b>Cable Color Code:</b>	Red +Excitation Black -Excitation Green +Signal White -Signal
<b>Warranty:</b>	Two-year limited
<b>Approvals:</b>	cFMus



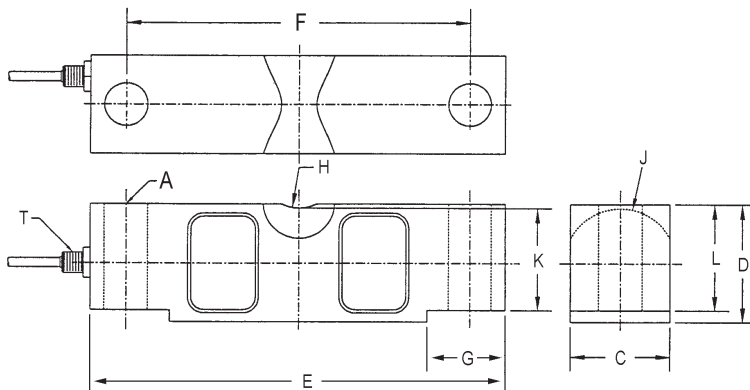
Picture is a representation of actual product.

#### 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 138

VPG® SENSORTRONICS®

**65058A** ..... page 293

VPG® CELTRON

**CLB** ..... page 196

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL2100HE** ..... page 26

RICE LAKE WEIGHING SYSTEMS

**MVS** ..... page 74

#### 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

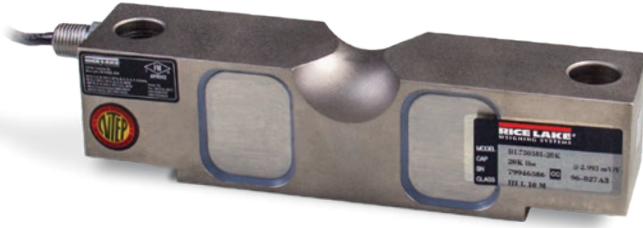
##### Approvals:

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

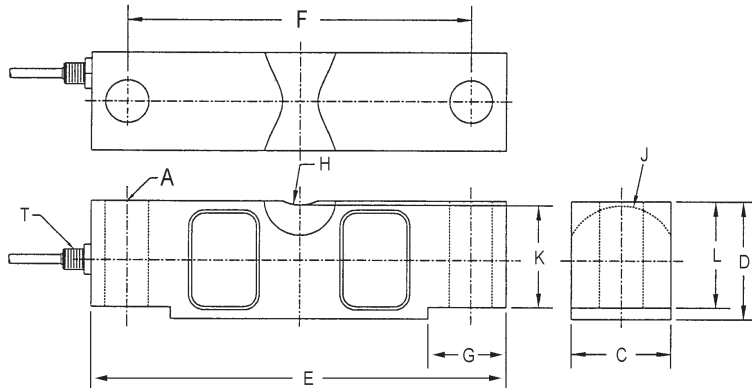


## Order Information

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

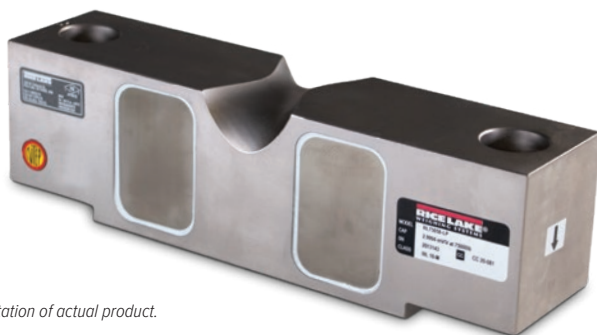
### Warranty:

Two-year limited

### Approvals:

cFMus

NTEP 98-143



Picture is a representation of actual product.

#### Approvals



#### Order Information

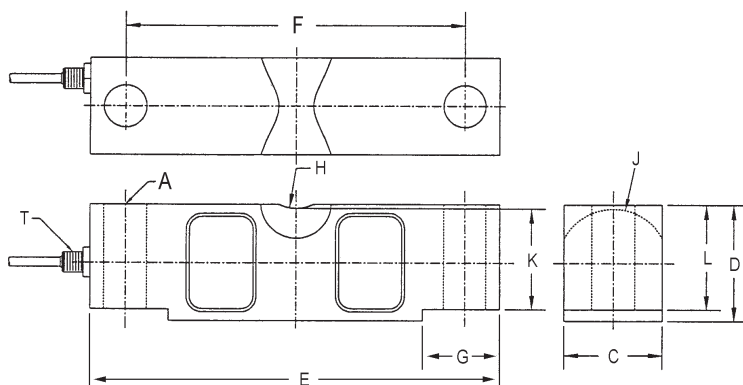
Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified 35 ft Cable</b>			
20,000 lb	197770	8 lb	\$673.00
25,000 lb	197771	8 lb	\$673.00
40,000 lb	197772	13 lb	\$805.00
50,000 lb	197773	19 lb	\$885.00
60,000 lb	197774	19 lb	\$885.00
75,000 lb	197775	19 lb	\$885.00
100,000 lb	197776	40 lb	\$1,669.00
125,000 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	\$948.00
75,000 lb**	197781	20 lb	\$948.00
75,000 lb*	197782	20 lb	\$1,055.00
125,000 lb	197779	40 lb	\$1,722.00
<b>NTEP Certified 100 ft Cable</b>			
75,000 lb	197780	22 lb	\$1,055.00

\*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 293

VP® CELTRON

**CLB** ..... page 196

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL2100HE**..... page 26

RICE LAKE WEIGHING SYSTEMS

**MVS**.....page 74

#### 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

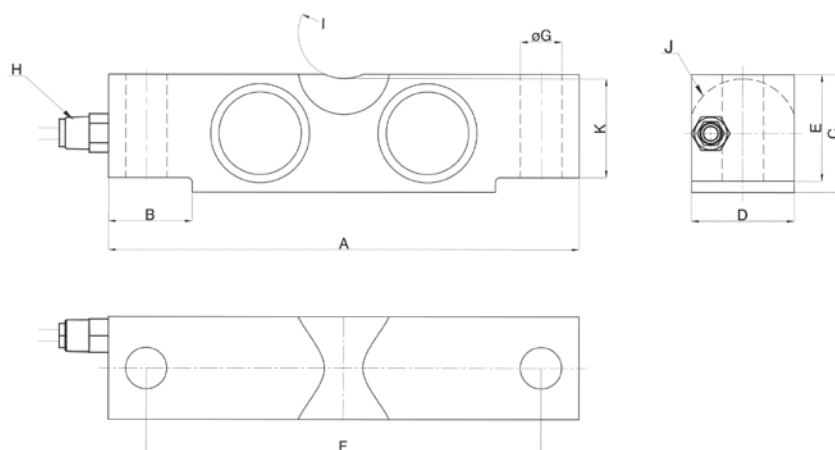


## Order Information

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 136

VPG® SENSORTRONICS®

**65058S**.....page 294

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL2100HE**.....page 26

RICE LAKE WEIGHING SYSTEMS

**MVS**.....page 74

## 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

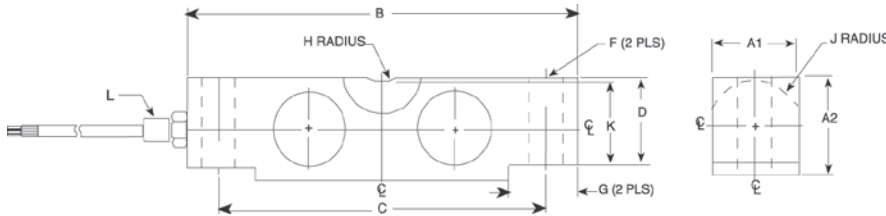


Order Information

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	\$980.00

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 74
RICE LAKE WEIGHING SYSTEMS	
RL2100HE.....	page 26

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

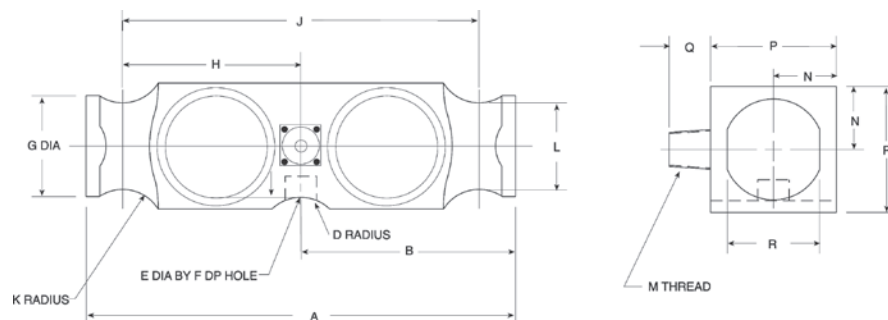


### Order Information

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 257

VPG® SENSORTRONICS®

**65040A-XX-1127W** .....page 298

ARTECH®

**80210**

THURMAN®

**TSC 800**

UNIBRIDGE®

**DL9000**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink** .....page 75

### 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

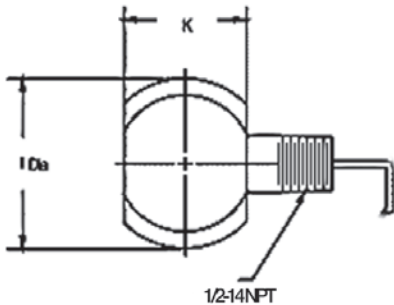
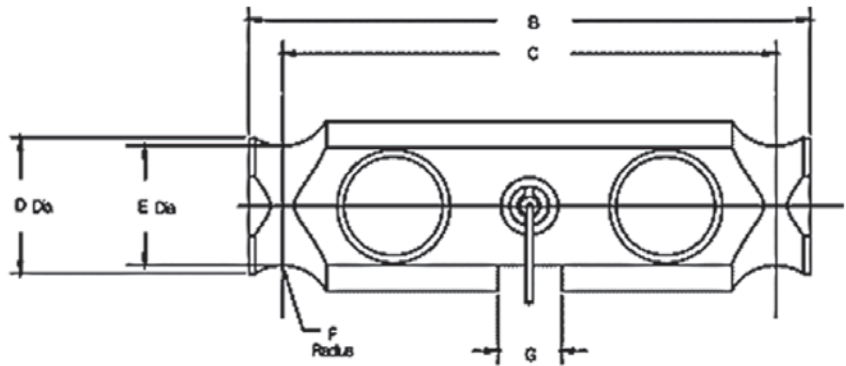


Order Information

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



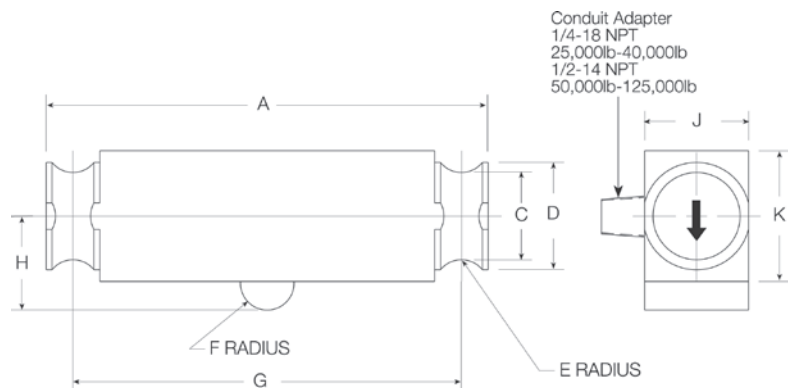
#### Order Information

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 296

ARTECH®

**80310**

THURMAN®

**TSC 840**

SENTRAN

**WD1**

ANYLOAD

**102TH**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink™** ..... page 75

#### 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

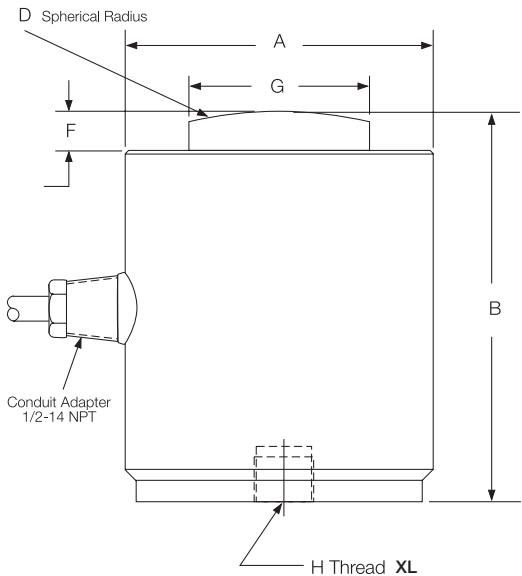


Order Information

Load Rating	Part #	Est. Weight	Price
<b>35 ft Cable</b>			
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
<b>80 ft Cable</b>			
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 265  
VPG® SENSORTRONICS®  
**65088-1000**  
VPG® REVERE  
**692B**  
HOWE RICHARDSON®  
**244699-000X**  
STREETER AMET®  
**3760XXX**

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**MagnaMount** ..... page 77

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

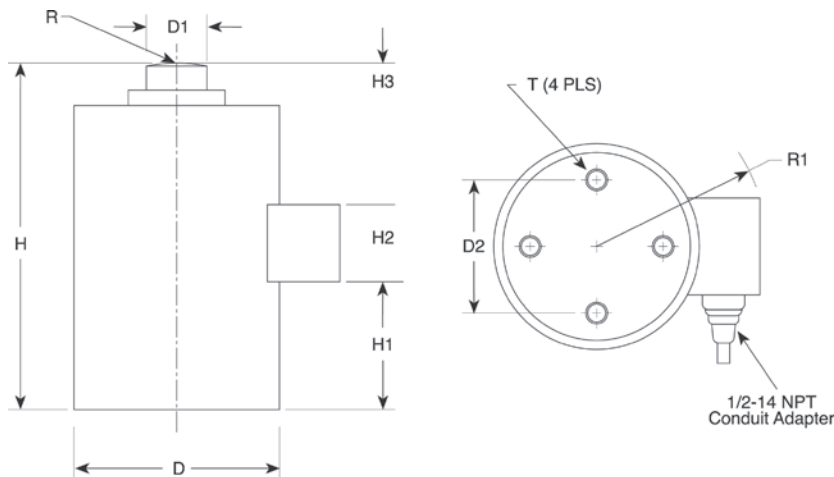


#### Order Information

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 266

#### 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



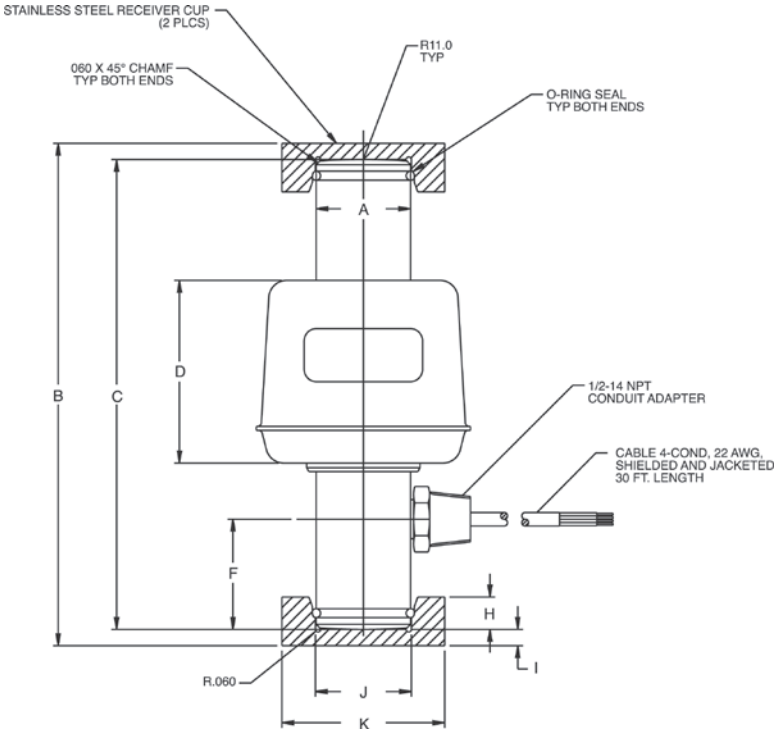
Order Information

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

146 | RICE LAKE  
LOAD CELLS



**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**

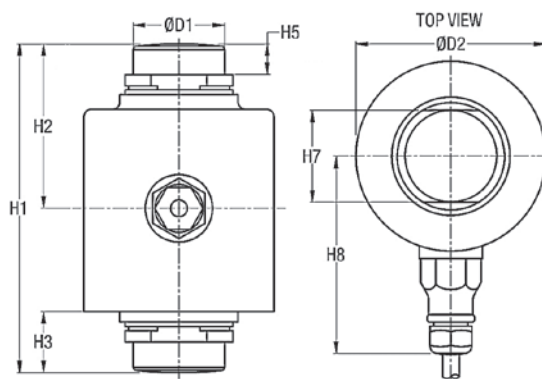
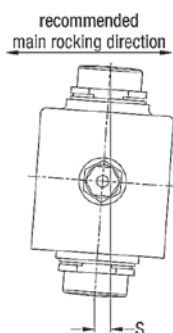
Load Rating	Part #	Est. Weight	Price
30 t	<b>169363</b>	6 lb	\$1,044.00
Upper load cup	<b>109332</b>	4 lb	\$143.00
Lower load cup	<b>109331</b>	4 lb	\$116.00

**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



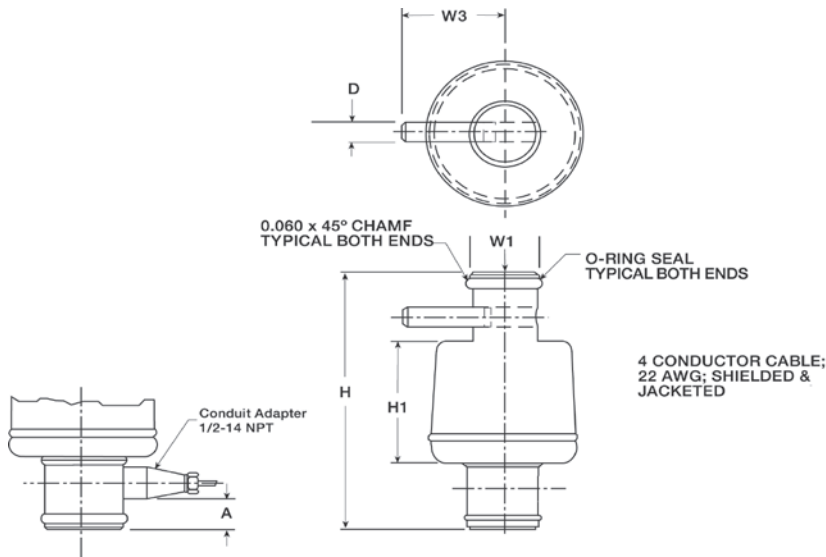
Order Information

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
lb/in						
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**

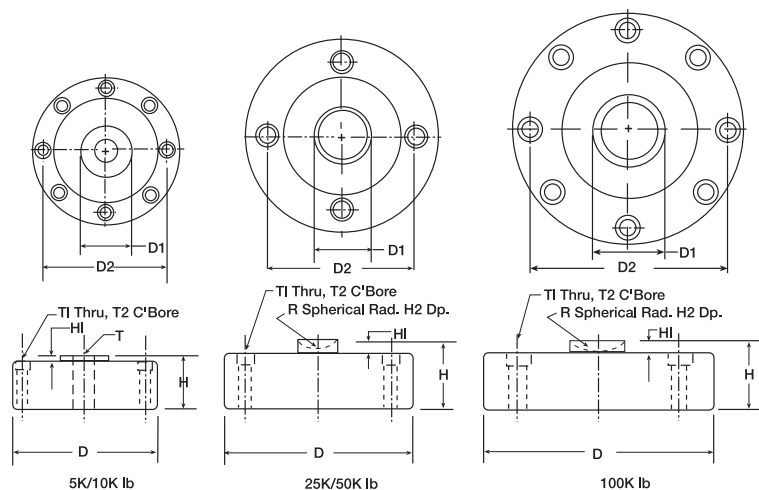
Load Rating	Part #	Est. Weight	Price
5,000 lb*	<b>33061</b>	6 lb	\$689.00
10,000 lb*	<b>33062</b>	6 lb	\$689.00
25,000 lb	<b>33063</b>	9 lb	\$843.00
50,000 lb	<b>33064</b>	9 lb	\$843.00
100,000 lb	<b>33065</b>	13 lb	\$990.00
Load Cup**	<b>33616</b>		\$37.00

\*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 199

**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:**

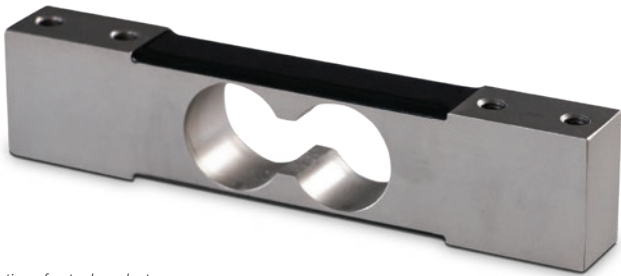
Two-year limited

**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

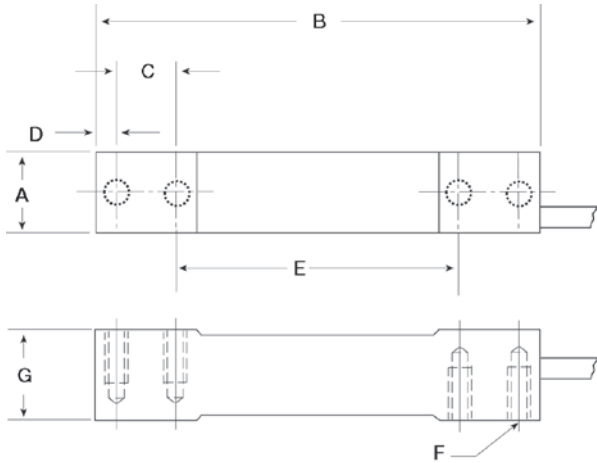


Order Information

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 164
FLINTEC	
PC3.....	page 217
HBK®	
PWS.....	page 231

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

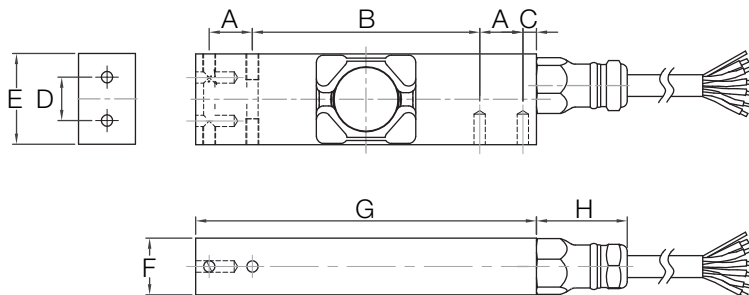


#### Order Information

Load Rating	Part #	Est. Weight	Price
10 kg	205270	3 lb	\$630.00
20 kg	205271	3 lb	\$630.00
50 kg	205272	3 lb	\$630.00
100 kg	205273	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 218

HBK®  
**PW15AH\*** ..... page 230

\*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

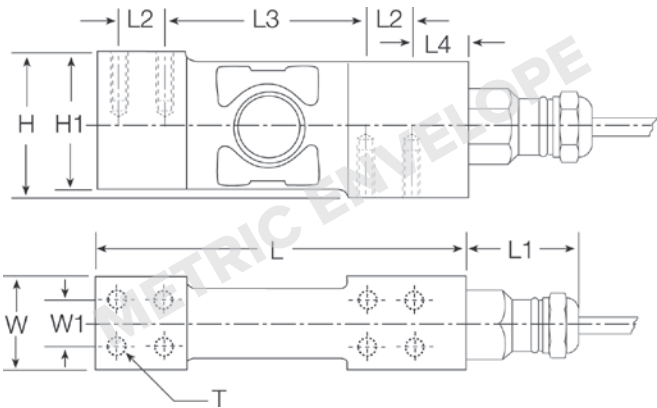


Order Information

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 219

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

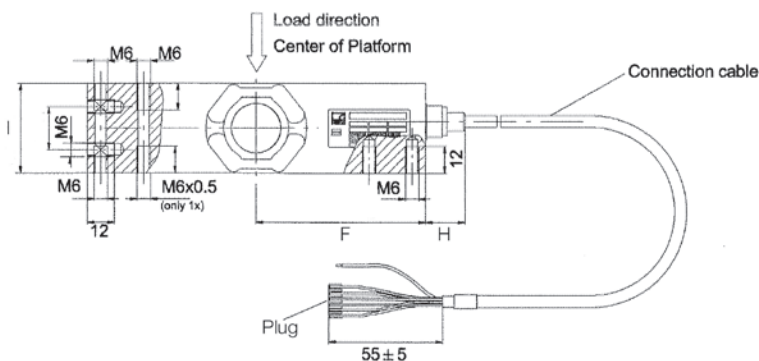


## Order Information

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 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

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

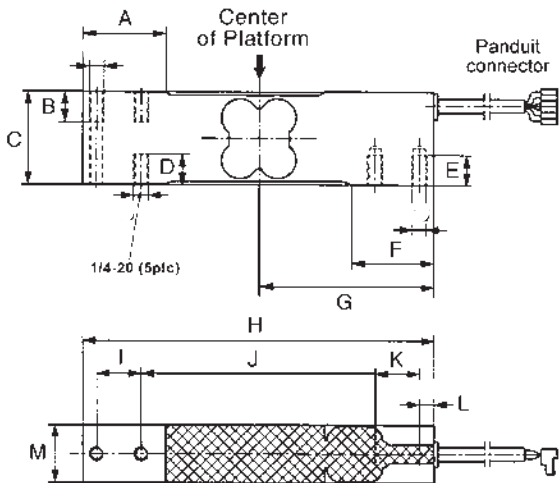


Order Information

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
30 kg	119906	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 229
VPG® TEDEA-HUNTLEIGH	
1142.....	page 318

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 14 °F to 104 °F (-10 °C to 40 °C) Operating range 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 Black -Excitation White +Signal Red -Signal Green +Sense Grey -Sense
<b>Warranty:</b>	Two-year limited
<b>Approvals:</b>	FM NTEP 11-038



Picture is a representation of actual product.

## Approvals

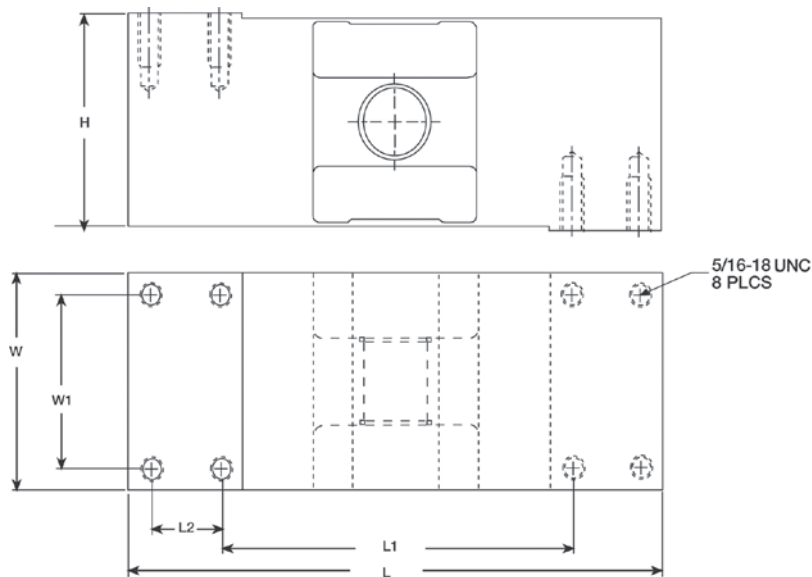


## Order Information

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

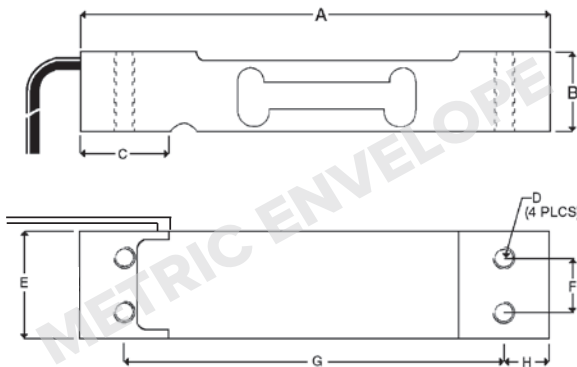


## Order Information:

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 197

VPG® TEDEA-HUNTLEIGH

1022 ..... page 310

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

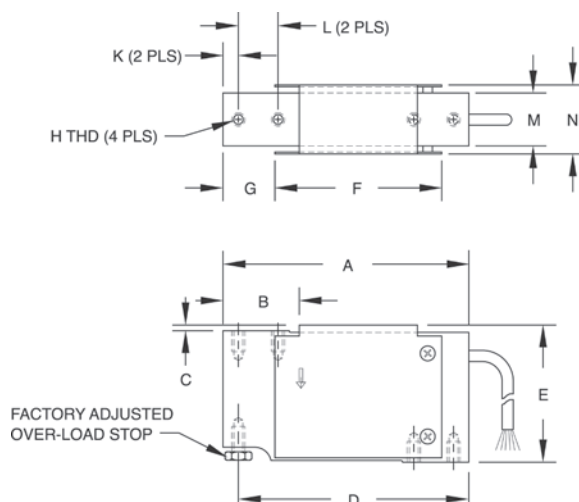


### Order Information

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 x 13 DP	7.5	19.1	25.4	33.5



### Interchangeable Products

VPG® TEDEA-HUNTLEIGH

1010/1015.....page 311

### 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 x 15.75 in

#### Warranty:

Two-year limited

#### Approvals:

cFMus

NTEP 00-062



Picture is a representation of actual product.

Approvals

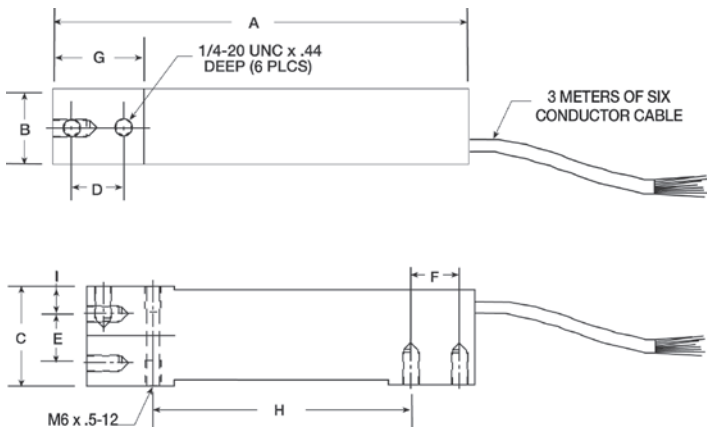


Order Information

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 228

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

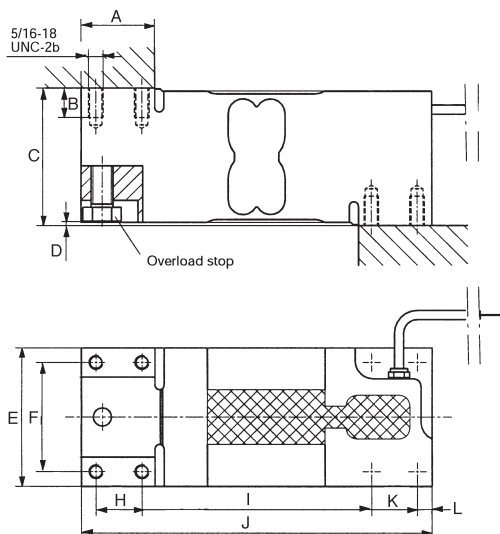


## Order Information

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 322

## 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

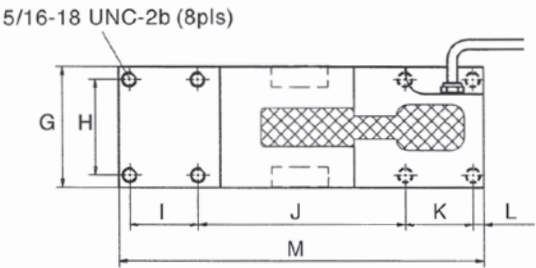
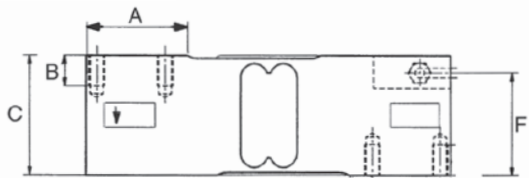


Order Information

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 166
VPG® TEDEA-HUNTLEIGH	
1260 .....	page 319

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

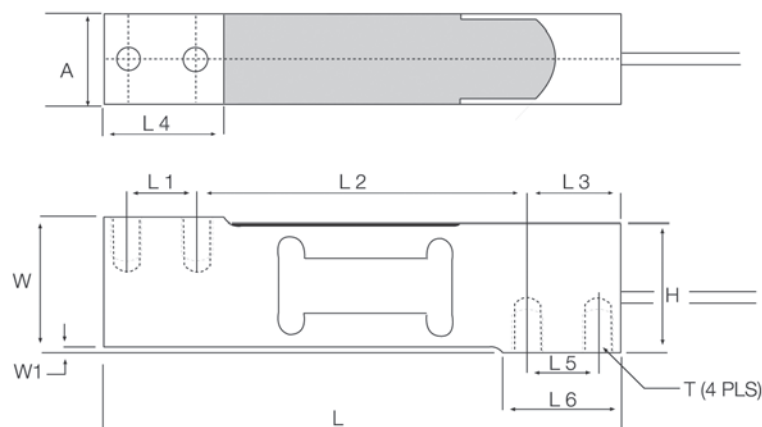


## Order Information

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 158

VPG® TEDEA-HUNTLEIGH

**1042**.....page 313

HBK®

**SP4M**.....page 228

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

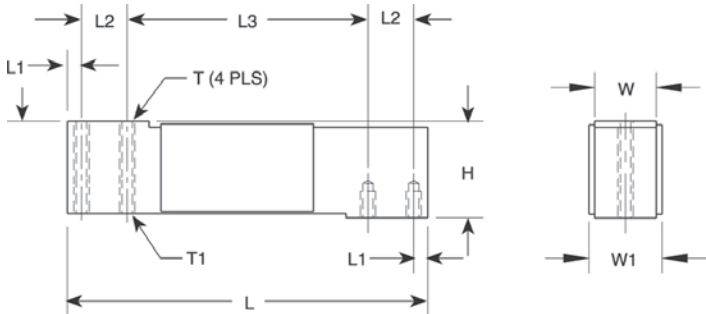


Order Information

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 314  
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

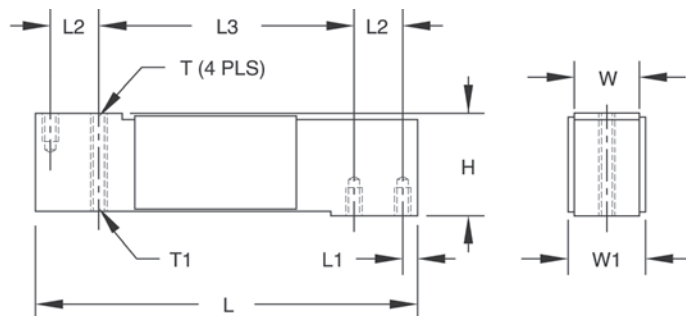


## Order Information

Load Rating	Part #	Est. Weight	Price
15 kg	17544	3 lb	\$339.00
30 kg	17545	3 lb	\$339.00
50 kg	17546	3 lb	\$339.00
75 kg	17547	3 lb	\$339.00
100 kg	17548	3 lb	\$339.00
150 kg	36467	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 316

## 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

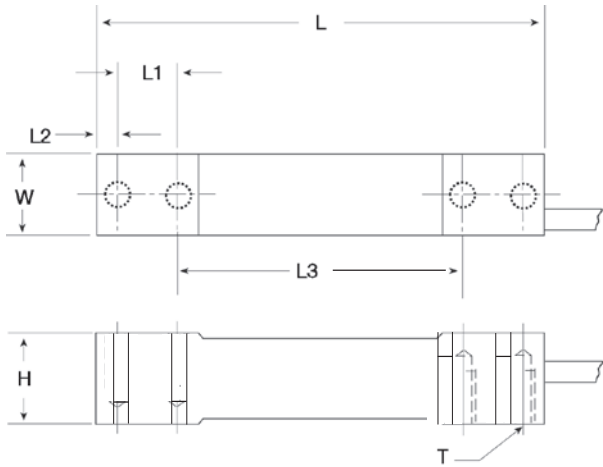


Order Information

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 231

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

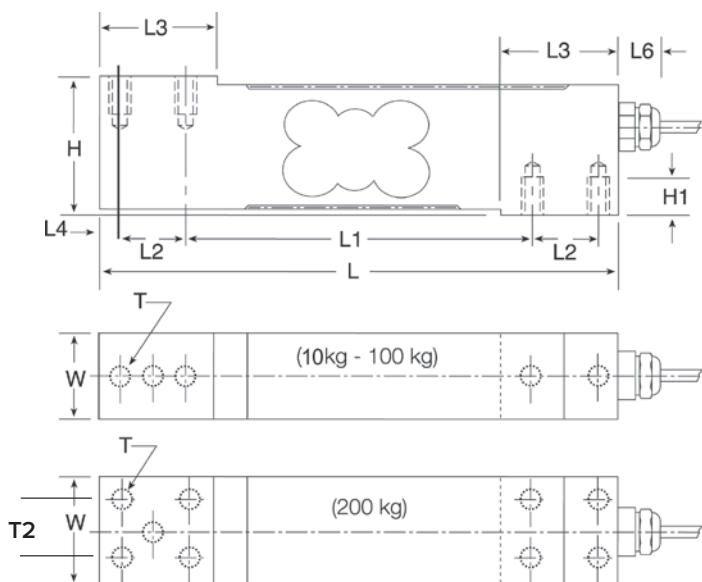


## Order Information

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 216

## 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

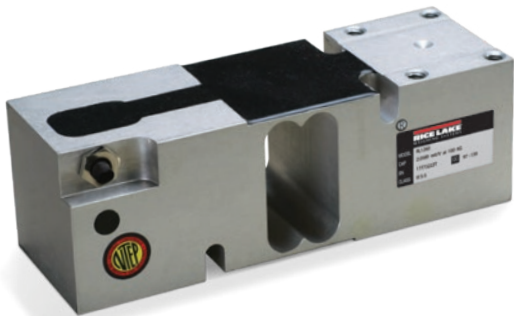
**Cable Color Code:**  
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

**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

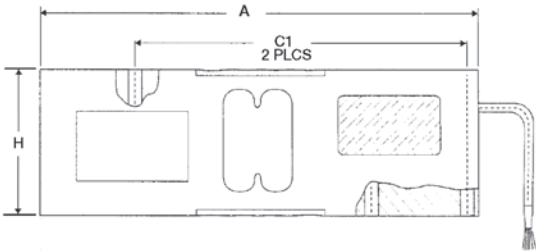


Order Information

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 160
VPG® TEDEA-HUNTLEIGH	
1260 .....	page 319

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



Picture is a representation of actual product.

## Approvals

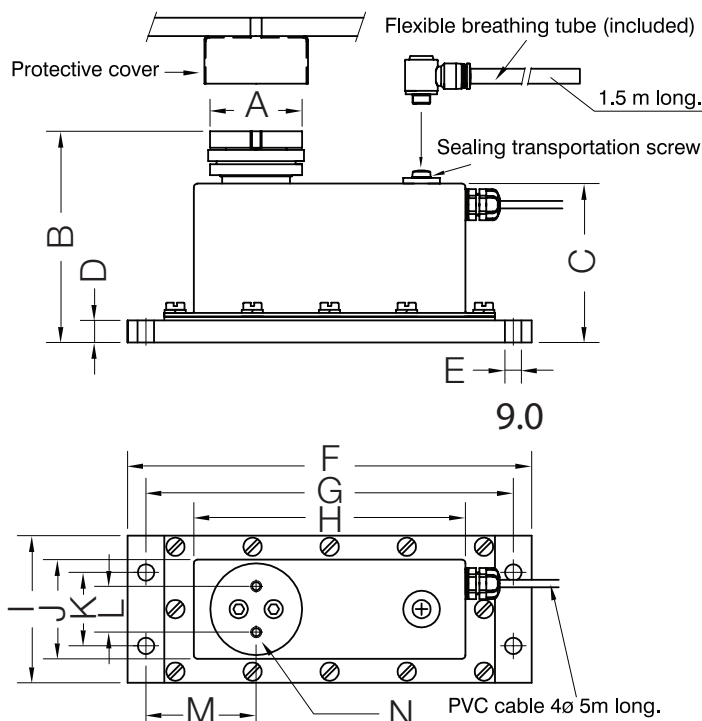


## Order Information

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 325

\*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

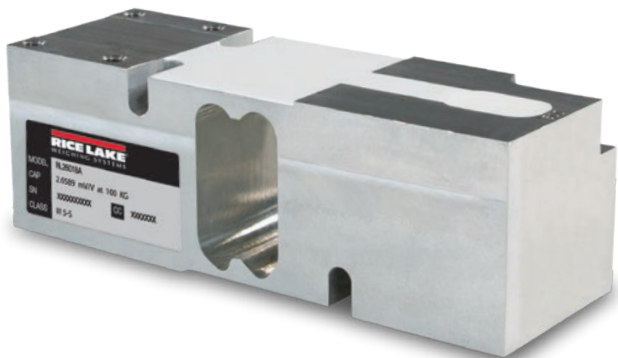
### Approvals:

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

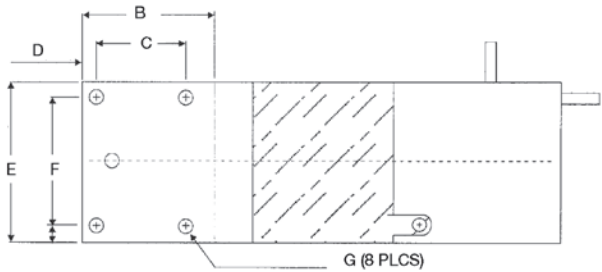
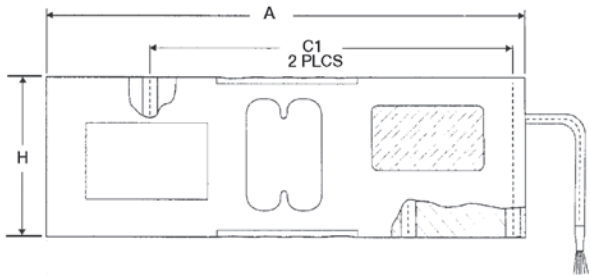


Order Information

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	
<b>RL1260</b> .....	page 166
RICE LAKE WEIGHING SYSTEMS	
<b>RLPWM16</b> .....	page 160
VPG® TEDEA-HUNTLEIGH®	
<b>1260</b> .....	page 319

Specifications

<b>Full Scale Output:</b>	2.0 mV/V nominal
<b>Output Resistance:</b>	350 (± 3) ohm
<b>Input Resistance:</b>	415 (± 15) ohm
<b>Material/Finish:</b>	Anodized aluminum
<b>Temperature:</b>	Compensated range 14 °F to 104 °F (-10 °C to 40 °C) Operating range 0 °F to 150 °F (-18 °C to 65 °C)
<b>Seal Type:</b>	Environmentally sealed, IP67
<b>Safe Overload:</b>	150% of full scale
<b>Rated Excitation:</b>	5 to 10 VDC (15 V maximum)
<b>Insulation Resistance:</b>	>5,000 megohm
<b>Combined Error:</b>	0.02% full scale
<b>Deflection:</b>	0.3 to 0.5 mm
<b>Cable Length:</b>	10 ft
<b>Cable Color Code:</b>	Green +Excitation Black -Excitation Red +Signal White -Signal
<b>Warranty:</b>	Two-year limited
<b>Approvals:</b>	cFMus NTEP 18-108



Picture is a representation of actual product.

## Approvals

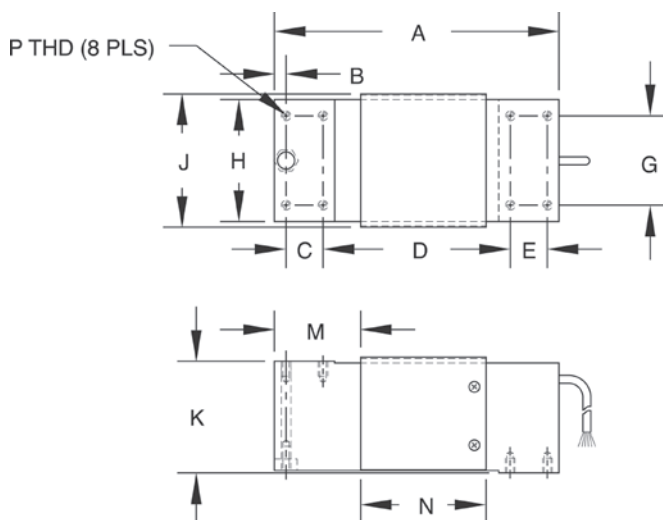


## Order Information

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 × 15 DP



## Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RLPWM12**.....page 159

VPG® TEDEA-HUNTLEIGH®

**1250**.....page 322

## 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

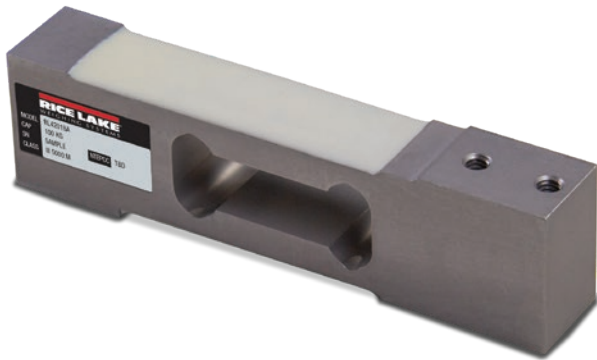
### Approvals:

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

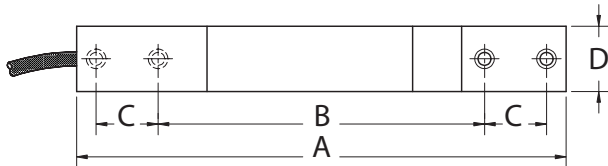
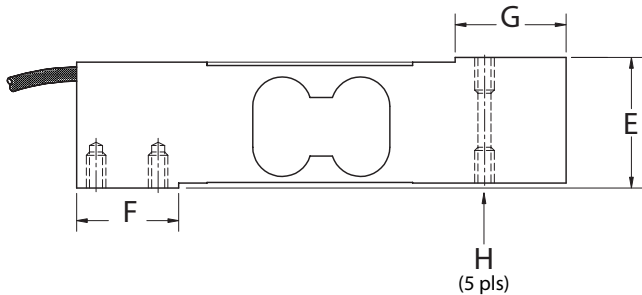


Order Information

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	\$180.00
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 161
RICE LAKE WEIGHING SYSTEMS	
RLSP4.....	page 158
VPG® TEDEA-HUNTLEIGH®	
1042.....	page 313
HBK®	
SP4M*.....	page 228

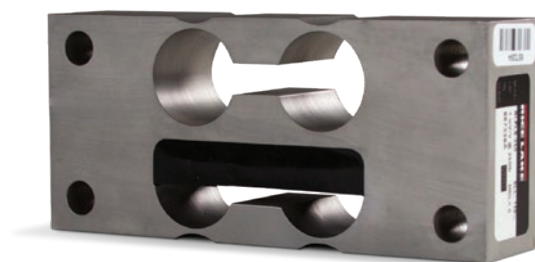
\*Color code is different

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 14 °F to 104 °F/-10 °C to 40 °C Operating range 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 Black -Excitation Red +Signal White -Signal Blue +Sense Yellow -Sense
<b>Platform Size:</b>	15.75 × 15.75 in max
<b>Warranty:</b>	Two-year limited
<b>Approvals:</b>	cFMus NTEP 18-105

RICE LAKE  
LOAD CELLS





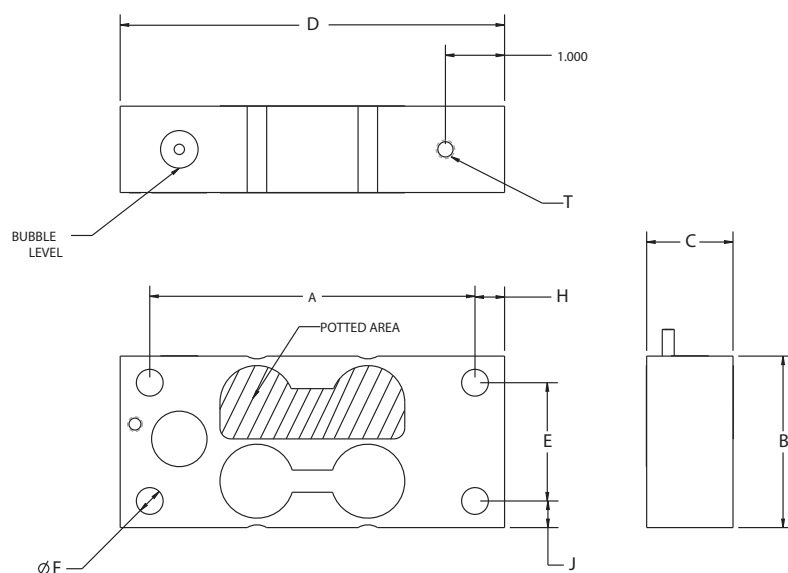
Picture is a representation of actual product.

## 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:

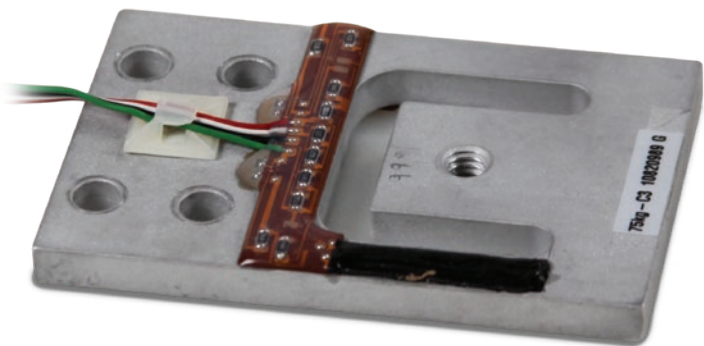
10 ft

### Cable Color Code:

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

### Warranty:

Two-year limited



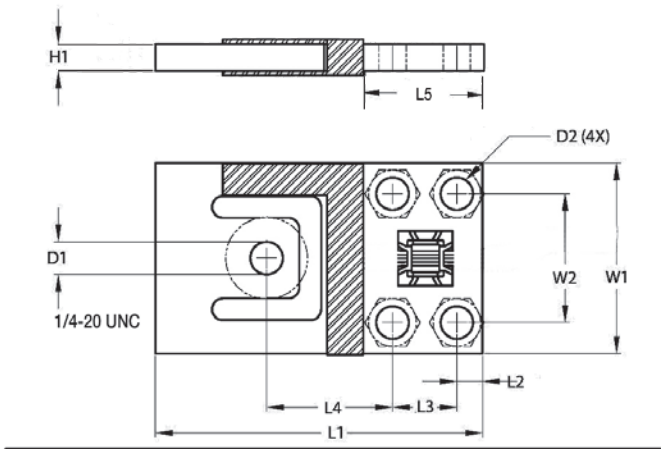
Picture is a representation of actual product.

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 222

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.

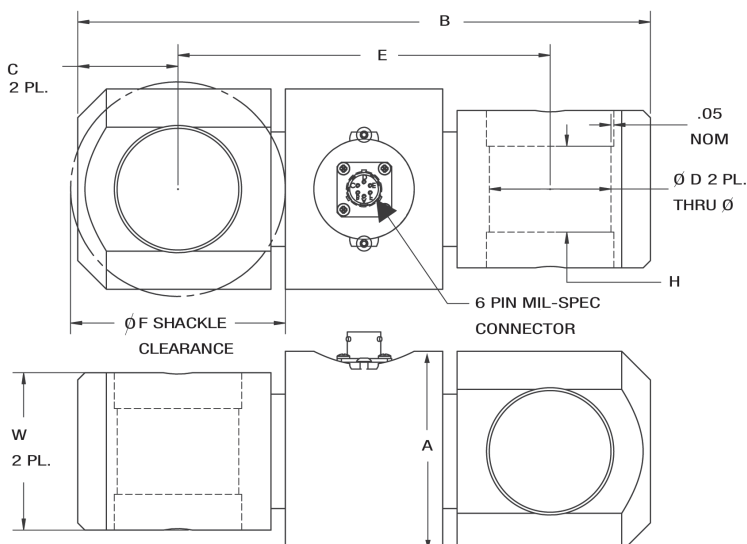
## Order Information

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

- Internally gauged load pin
- Idler sheave or dead end pin preferred location
- Minimum 5:1 safety factor
- 17-4 stainless steel construction
- $\pm 1\%$  to 3% accuracy of hoist capacity
- $-40^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  standard operating temperature (other temperature compensated ranges available)

(Contact MSI for application consultation)

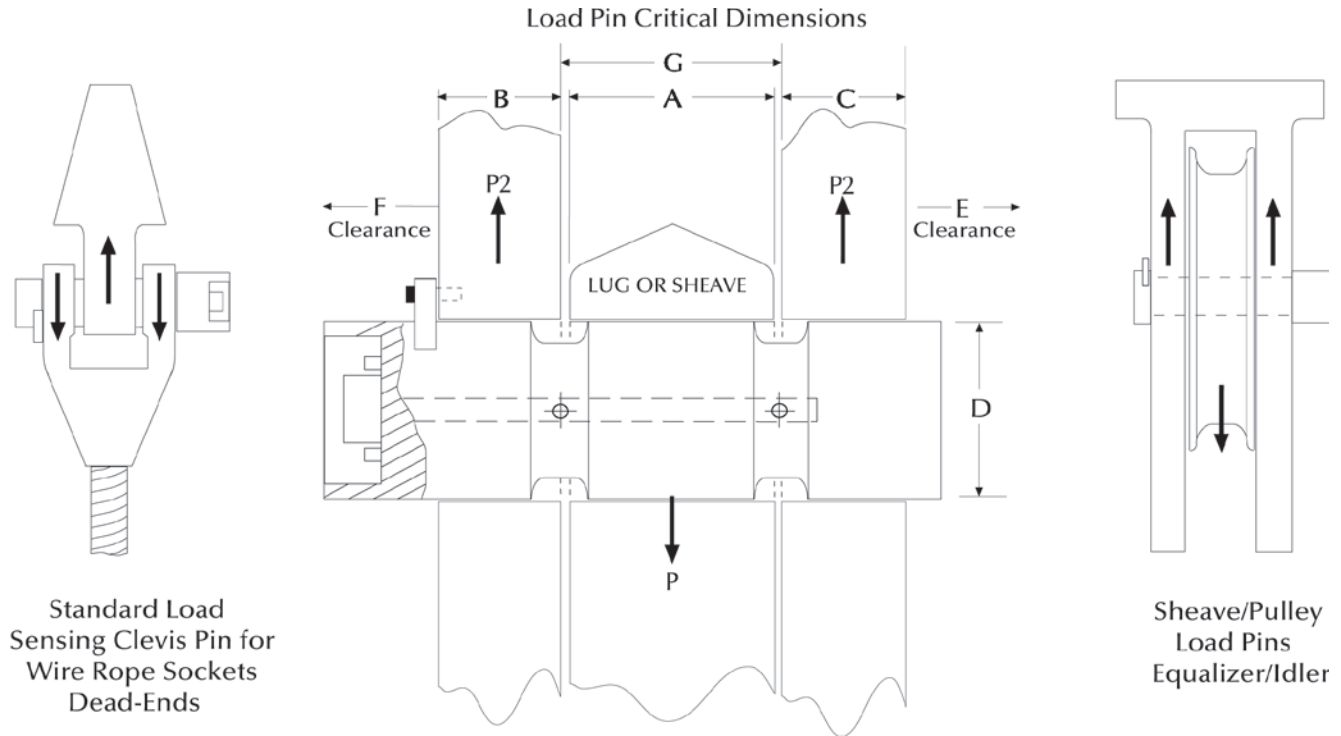
A key component for MSI's integrated overhead weighing solutions is the Load Pin Sensor. Typically designed and manufactured specifically to each integrated solution, the MSI load pin is strictly industrial grade. Each load pin design is precision machined from 17-4 stainless steel for safety, strength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

- 4340 steel construction
- Mil spec connector
- 7:1 safety factor

## 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

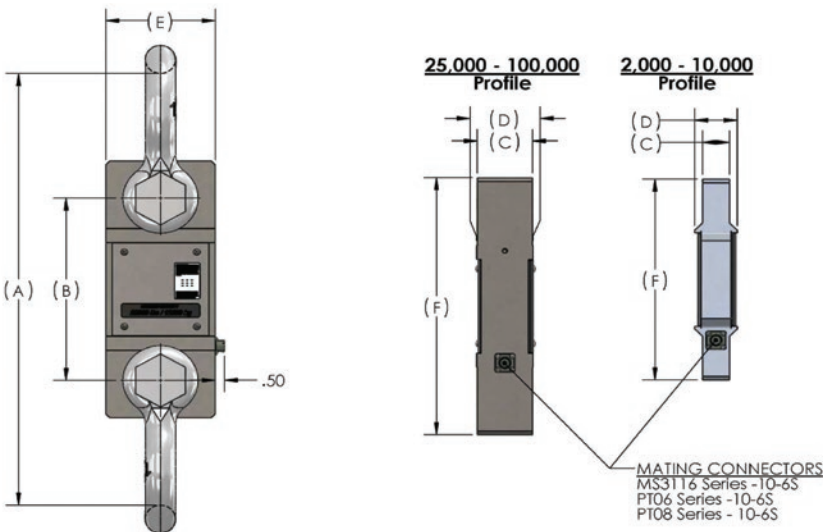
## Part Number/Price

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

- ETD 150 construction
- Accommodates up to 3/4 in wire rope size
- Larger diameter clamp-on available - call for pricing

## 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

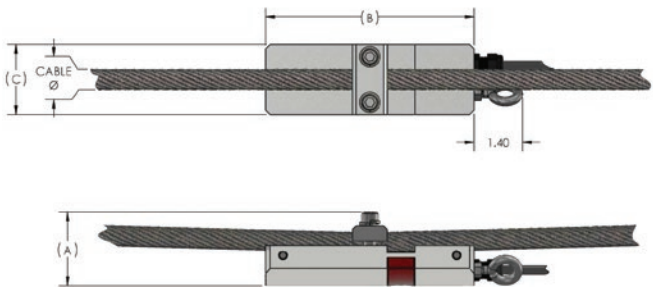
Part #	Description	Price
<b>179080</b>	Load Cell Assembly Clamp-On for 3/8 to 1/2 in wire rope	\$750.00
<b>179082</b>	Load Cell Assembly Clamp-On for 9/16 to 3/4 in wire rope	\$890.00
<b>188816</b>	Kit with SCT-2200 for 3/8 to 1/2 in wire rope	\$1,330.00
<b>188817</b>	Kit with SCT-2200 for 9/16 to 3/4 in wire rope	\$1,470.00

Larger diameter clamp ons available - call for pricing

## Dimensions

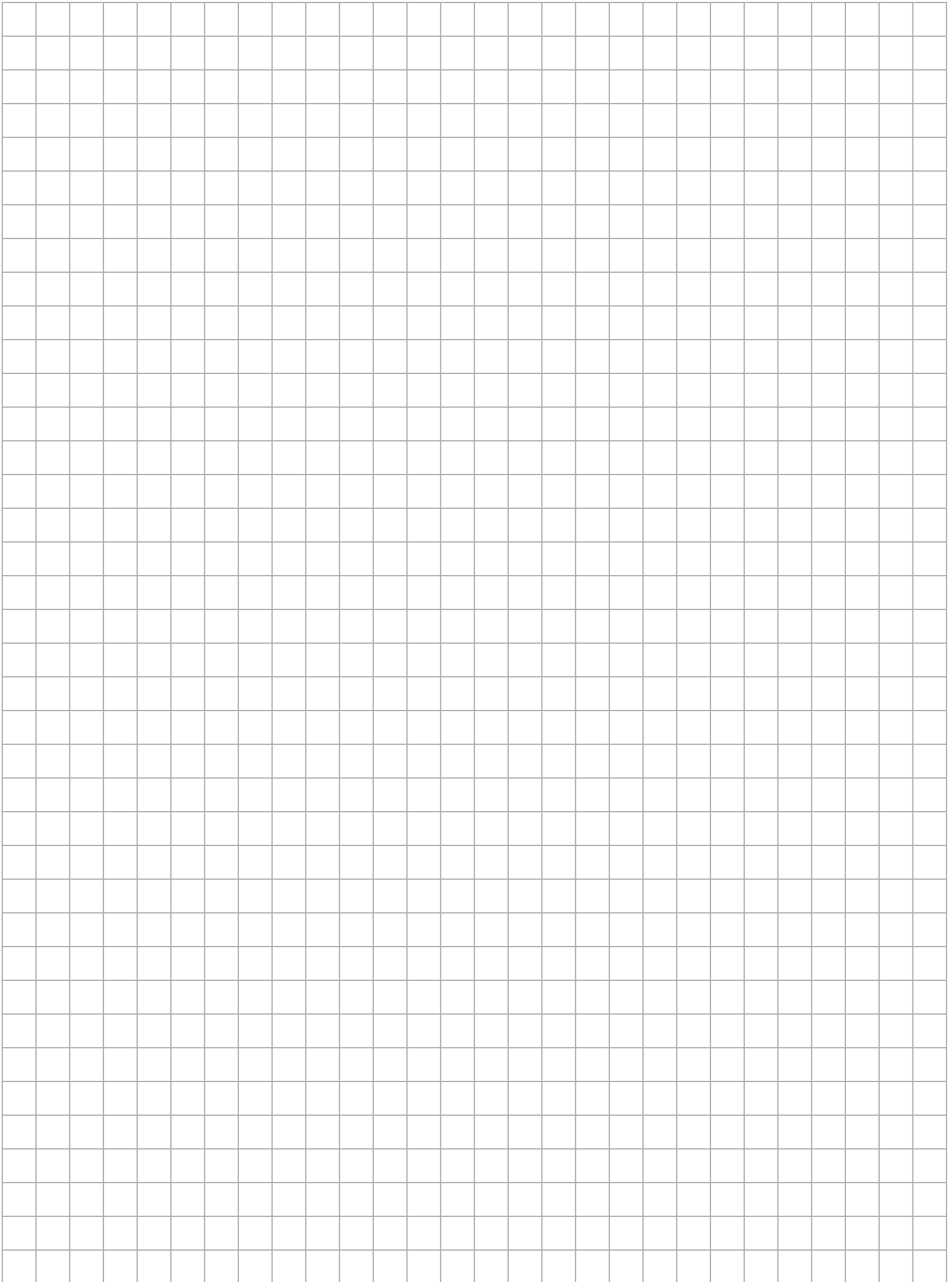
Cable Range	Part #	A	B	C
3/8 to 1/2	<b>179080</b>	Cable + 1.70	6.00	2.00
9/16 to 3/4	<b>179082</b>	Cable + 1.67	6.00	2.00

\*8mm cable can be used with PN 179080



Optional SCT-2200 transmitter

RICE LAKE  
LOAD CELLS



COMPRESSION CANISTERS

Page 180 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.



Page 181 C3P1, ALLOY STEEL



Single-column, environmentally protected design provides low deflection and trouble-free operation. High-alloy steel and epoxy coated for corrosion resistance. Compact and rugged. Capacities range from 500 to 10,000 lb. Complete with 35 ft of load cell cable.



TENSION CANISTERS

Page 182 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 183 T3P1, 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.





Picture is a representation of actual product.

### Approvals

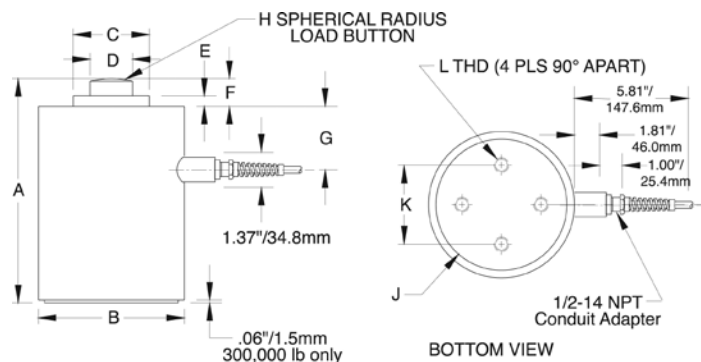


### Order Information

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 × 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 × 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 × 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 × 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



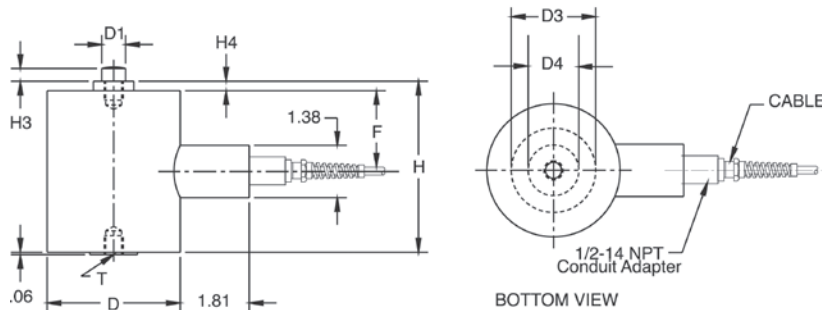
### Order Information

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

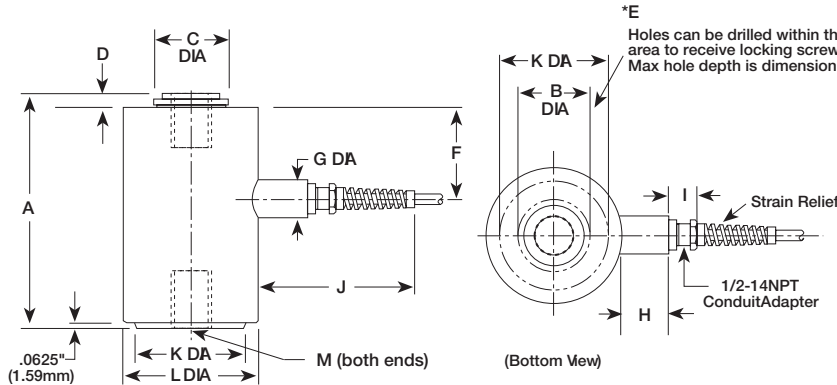


Order Information

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

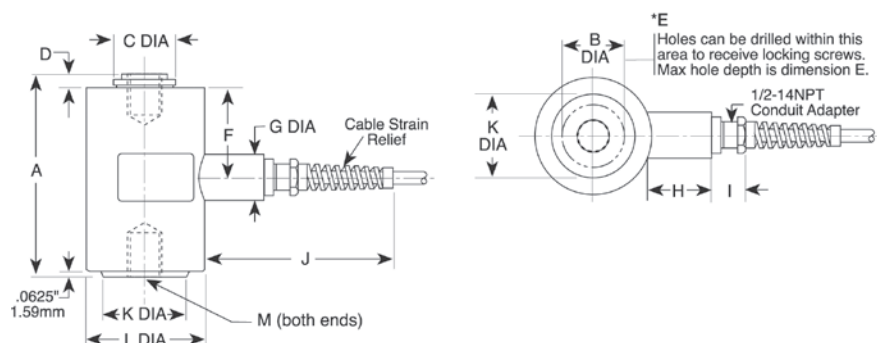


### Order Information

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 187

#### 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 188

#### 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 189

#### 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 190

#### 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 191

#### 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 192

#### 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 193

#### 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 194

### 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 195

### 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 196

### 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 197

### 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 198

### 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 199

### 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

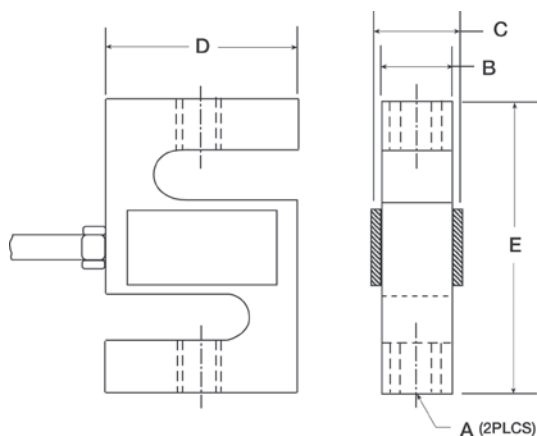


## Order Information

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 92

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**ITCM-Isolated Tension Cell Mount**..... page 28

## 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 95  
 VPG® SENSORTRONICS  
**60001** ..... page 275

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**ITCM-Isolated Tension Cell Mount** ..... page 28

### 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

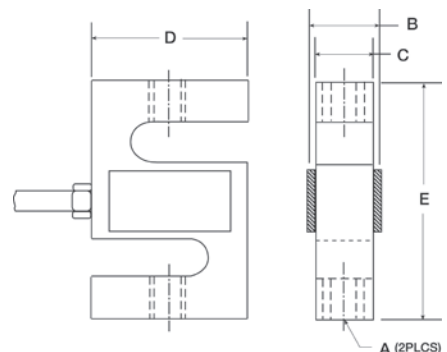
**Cable Length:**  
20 ft

**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

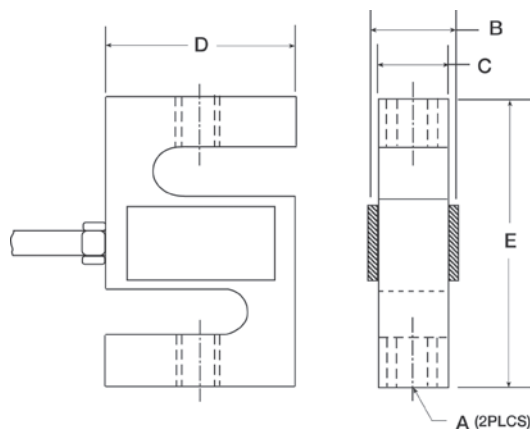


## Order Information

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 276

## 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



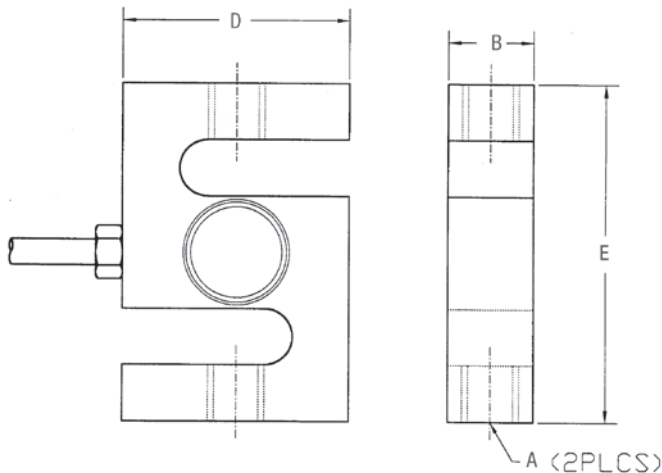
Picture is a representation of actual product

## Order Information

Load Rating	Part #	Est. Weight	Price
500 lb	<b>69326</b>	2 lb	\$493.00
750 lb	<b>69327</b>	2 lb	\$493.00
1,000 lb	<b>69328</b>	2 lb	\$493.00
1,500 lb	<b>69329</b>	2 lb	\$493.00
2,000 lb	<b>69330</b>	2 lb	\$493.00
2,500 lb	<b>69331</b>	2 lb	\$493.00
3,000 lb	<b>69332</b>	2 lb	\$525.00
5,000 lb	<b>69333</b>	4 lb	\$736.00
10,000 lb	<b>69334</b>	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 28

## 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



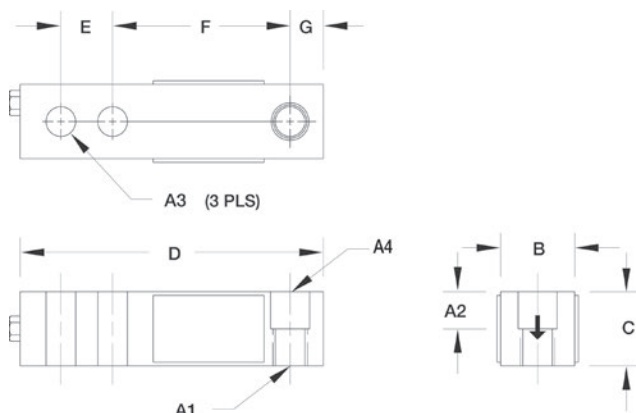
### Order Information

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 281

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL50210TA**..... page 31  
RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series**..... page 42

### 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



Picture is a representation of actual product

#### Approvals



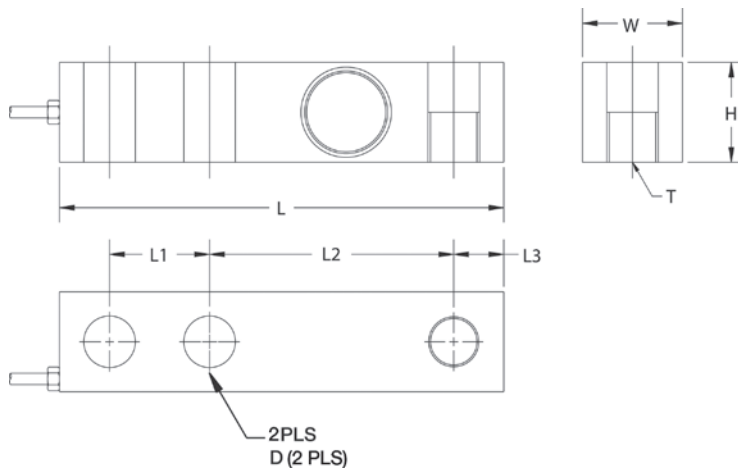
#### Order Information

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 284

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 42

#### 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

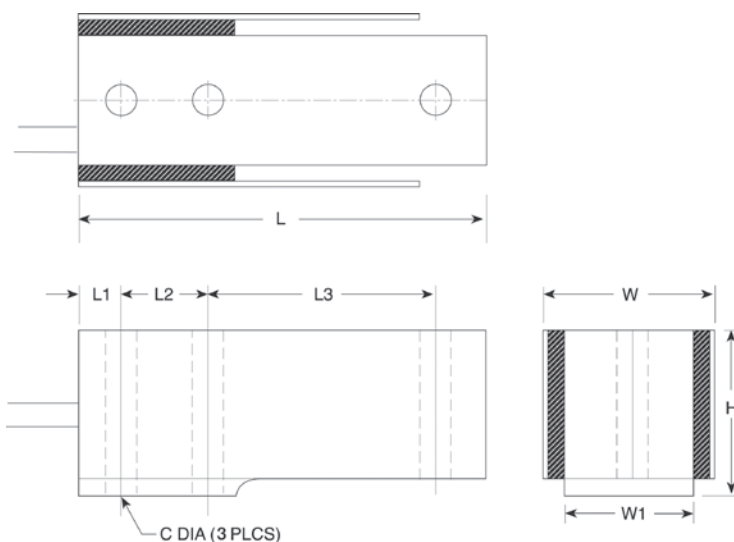


## Order Information

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 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 (± 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, 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

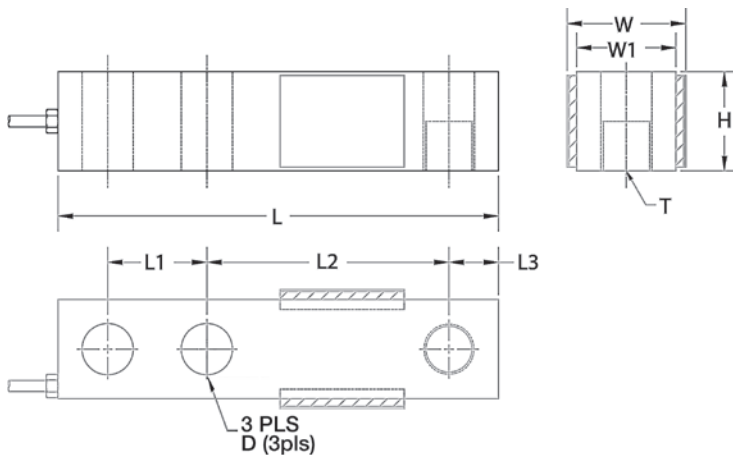


### Order Information

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:

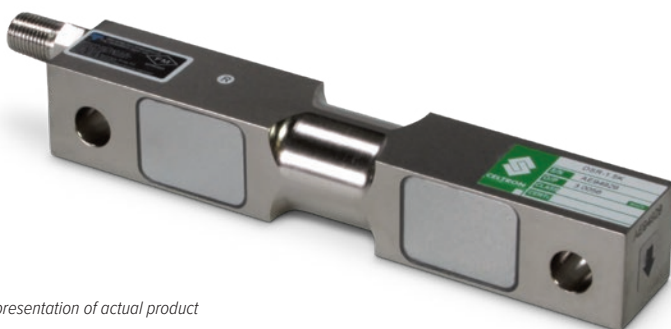
One-year limited

#### Approvals:

cFMus

OIML





Picture is a representation of actual product

## Approvals



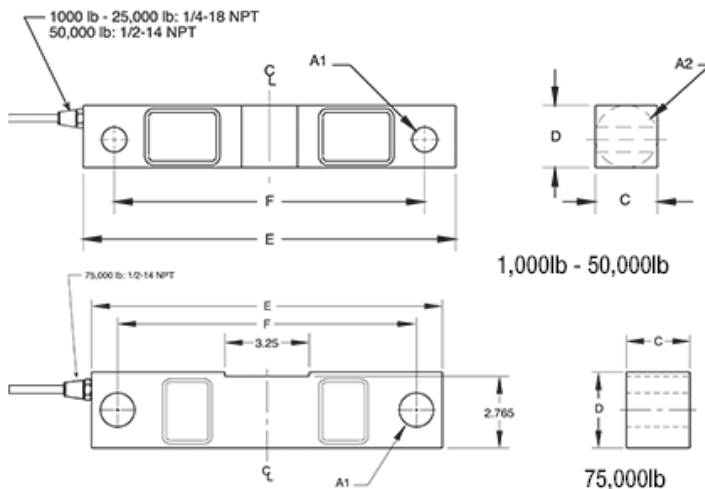
## Order Information

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

**RL75016** ..... page 131

RICE LAKE WEIGHING SYSTEMS

**RL75016WHE** ..... page 135

VPG® SENSORTRONICS

**65016** ..... page 290

VPG® REVERE

**5203**

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1600 Series** page 67 and page 69

## 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:

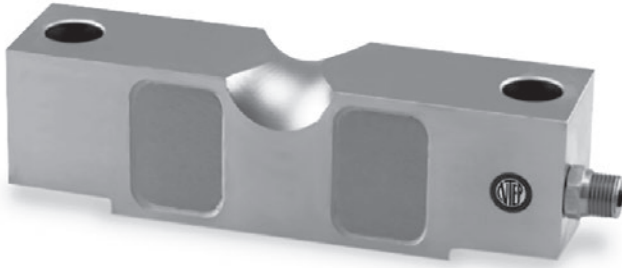
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

One-year limited

### Approvals:

cFMus



Picture is a representation of actual product

#### Approvals

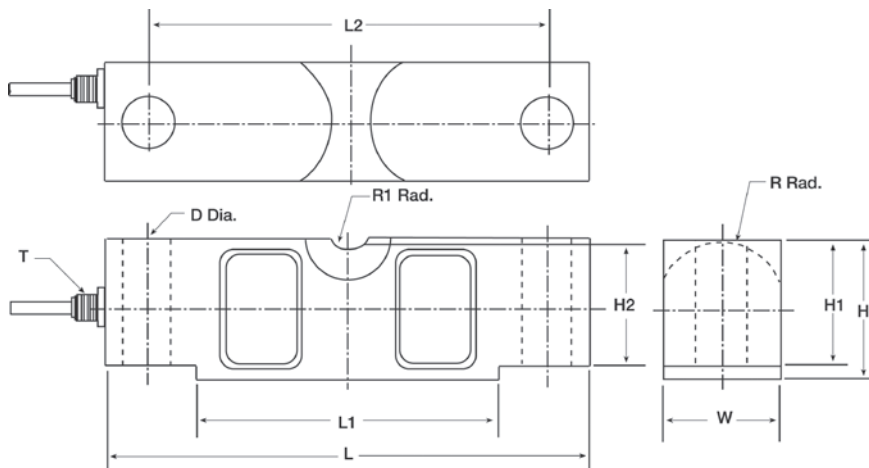


#### Order Information

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 136

VPG® SENSORTRONICS

**65058A**..... page 293

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**MVS**..... page 74

#### 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

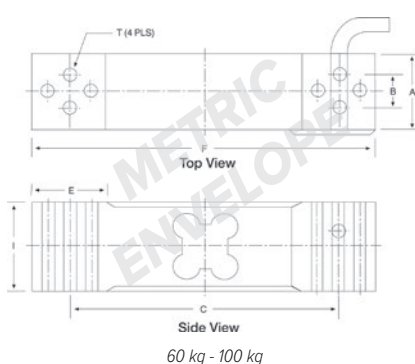
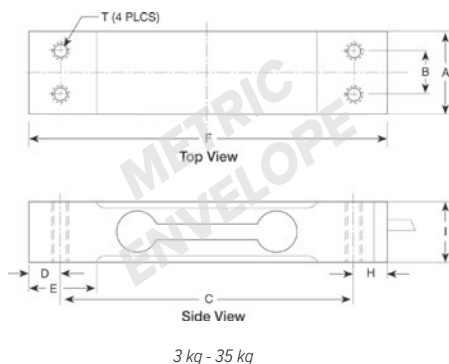


### Order Information

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 156

VPG® TEDEA-HUNTLEIGH

**1022**.....page 310

VPG® 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: 16.5 in

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

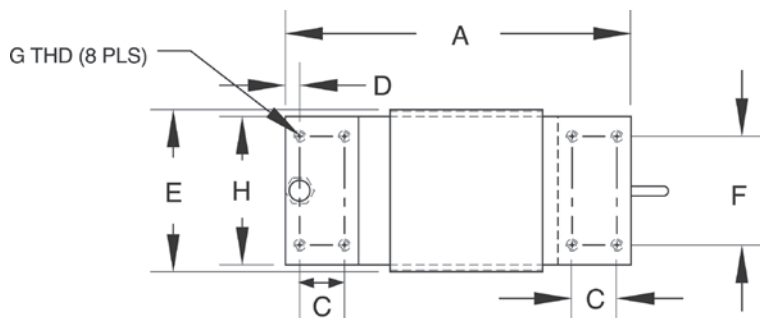


## Order Information

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 (± 3) ohm

### Input Resistance:

410 (± 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

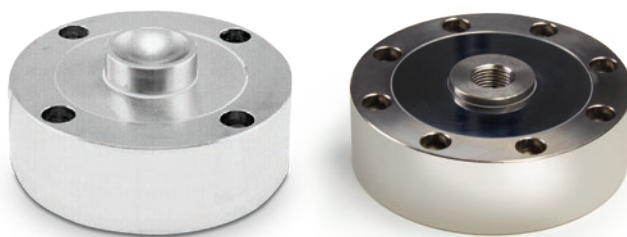
### Warranty:

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

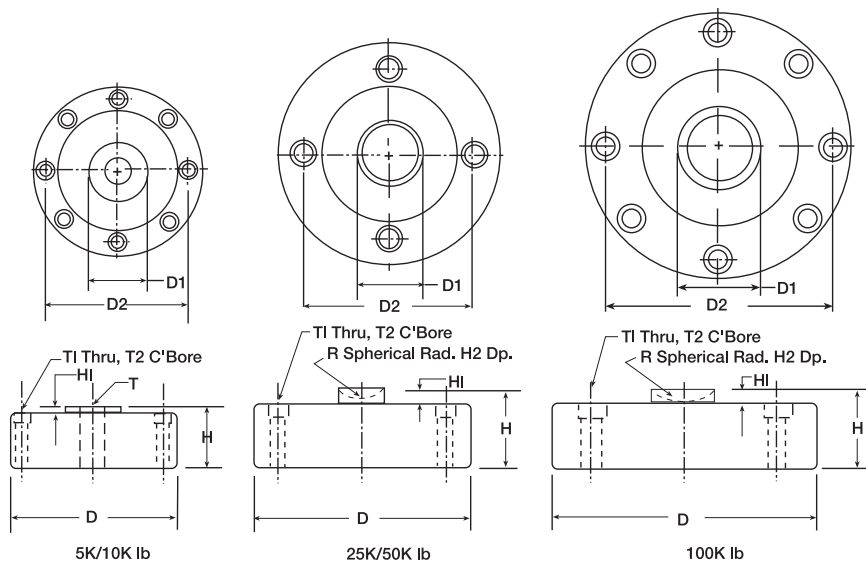
Load Rating	Part #	Est. Weight	Price
5,000 lb*	<b>41966</b>	6 lb	\$636.00
10,000 lb*	<b>41967</b>	6 lb	\$636.00
25,000 lb	<b>41968</b>	9 lb	\$822.00
50,000 lb	<b>41969</b>	9 lb	\$822.00
100,000 lb	<b>41970</b>	12 lb	\$975.00
<b>Options</b>			
Ball 1.25 in diameter	<b>65841</b>	1 lb	\$37.00
Load cup**	<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 149

### 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

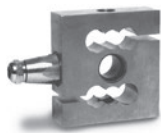




### S-BEAMS

#### Page 204

#### UB1, STAINLESS STEEL



The UB1 stainless steel s-beam is designed for single or multiple-cell tension load applications. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration in multiple-cell applications. It features true hermetic sealing of both the strain gauge area and cable entry, providing the ultimate in protection from outside elements. 20 ft of field-replaceable cable is included to simplify cable and load cell repairs. Capacities range from 10 to 50 kN.



#### Page 205

#### UB6, STAINLESS STEEL



The UB6 stainless steel s-beam is 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 to 5 kN.



### SINGLE-ENDED BEAMS

#### Page 206

#### 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 207

#### SB4, STAINLESS STEEL



The SB4 stainless steel, single-ended beam is designed for multiple-cell applications such as floor scales and tank, bin and hopper weighing systems. It is used exclusively in Rice Lake Weighing Systems' Paramounts® HS mounting systems. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration. It features true hermetic sealing of both the strain gauge area and cable entry, providing the ultimate in 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 to 100 kN.



#### Page 208

#### SB5, STAINLESS STEEL



The SB5 stainless steel single-ended beam is designed for multiple-cell applications such as floor scales and tank, bin and hopper weighing systems. It is 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 209

#### BK2, STAINLESS STEEL



The BK2 is the latest offering from one of the premier suppliers of quality load cells in the world. This new model was 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 has been environmentally potted to provide suitable protection for indoor applications. In addition, the standard calibration technique used by Flintec avoids time-consuming calibration for multiple load cell applications. The BK2 is available in capacities from 200 to 2,000 kg and includes 10 ft of standard load cell cable.



#### Page 210

#### SB6, STAINLESS STEEL



The SB6 load cell is a stainless steel, fully hermetically sealed, single-ended beam suitable for the harshest environments. The special loading hole provides an excellent price-to-performance ratio, and also allows a very low-profile design. Capacities range from 0.2 to 2 kN. Complete with 10 ft of load cell cable.



## SINGLE-ENDED BEAMS

### Page 211

### SB10, STAINLESS STEEL



The SB10 load cell is 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 millivolt/volt/ohm 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 212

### SB14, STAINLESS STEEL



The SB14 load cell is a stainless steel, fully hermetically sealed, single-ended beam suitable for the harshest environments. Capacities range from 500 to 5,000 lb. Complete with 10 ft of load cell cable.



## ROCKER COLUMNS

### Page 213

### RC1, STAINLESS STEEL



The RC1 load cell offers stainless steel and full hermetic sealing, making these cells suitable for use in tough industrial environments. Capacities are 250 kN, 400 kN and 50,000 lb. Cable lengths vary from 35 to 60 ft for easy field replacement and load cell repairs.



### Page 214

### RC3, STAINLESS STEEL



The RC3 is a stainless steel, hermetically sealed load cell. This rocker design provides superior performance and full hermetic design in applications where moisture and high humidity are present. Available in capacities from 7.5 to 50 t.



## SINGLE POINTS

### Page 215

### PCB, STAINLESS STEEL



The PCB is the first full stainless steel, hermetically sealed “brick” type of load cell on the market. This unique design provides superior protection in applications where moisture and high humidity are present. This model features both a welded gauge cavity area, and waterproof cable entry for long-lasting performance in almost any platform scale application. Interchangeable with the industry’s most popular designs, this model provides the ability to upgrade applications. Available in capacities from 50 to 1,000 kg. Each unit includes 10 ft of load cell cable.



### Page 216

### PC1, STAINLESS STEEL



PC1 load cells offer stainless steel and an environmentally protected seal, making these cells suitable for use in tough industrial environments. Capacities range from 10 to 200 kg.



## SINGLE POINTS

### Page 217

### PC3, STAINLESS STEEL



The Flintec PC3 is a stainless steel, single point load cell. Ideal for harsh environments, the PC3 has an IP67 rating and is environmentally sealed. Capacities range from 7 to 150 kg. Complete with 10 ft of load cell cable.



### Page 218

### PC4, STAINLESS STEEL



The Flintec PC4 stainless steel single point is a hermetic load cell that is a great choice for adverse conditions. Capacities from 10 to 100 kg are NTEP certified and OIML approved. Complete with 10 ft of cable.



### Page 219

### PC6, STAINLESS STEEL



The PC6 load cells offer stainless steel and real hermetic sealing, making these cells suitable for use in tough industrial environments. Includes 3 m of field-replaceable load cell cable to simplify cable and load cell repairs. Capacities range from 20 to 200 kg.



### Page 220

### PC7, STAINLESS STEEL



The stainless steel, hermetically sealed PC7 is ideal for washdown applications. Sealed to IP69K standards, the PC7 comes with 3 m of cable and an integrated mounting spacer, making installation easy.



### Page 221

### 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.



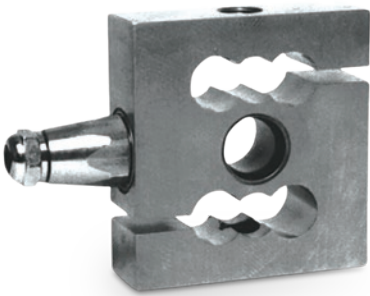
## PLANAR BEAM

### Page 222

### PB, ALUMINUM



The Flintec PB planar beam is an inexpensive alternative for use in low profile, light capacity applications. The compact size and mV/V per ohm calibration simplifies installation. Capacities range from 15 to 150 kg and includes 1.5 m of load cell cable.



Picture is a representation of actual product.

Approvals



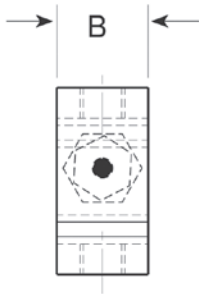
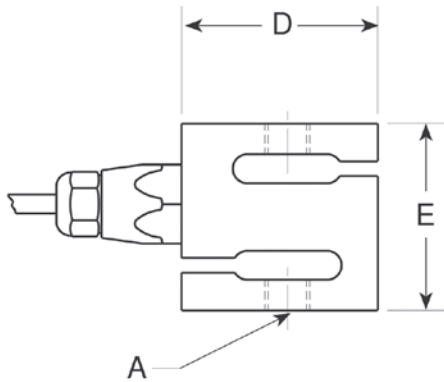
Order Information

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



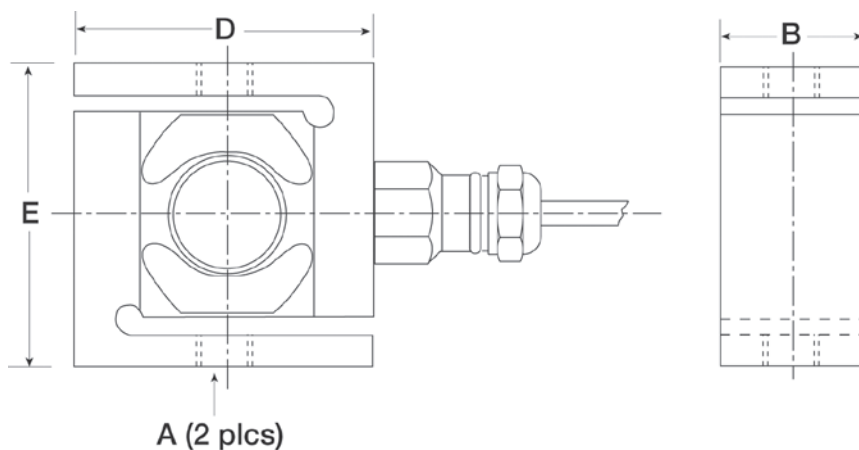
#### Order Information

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



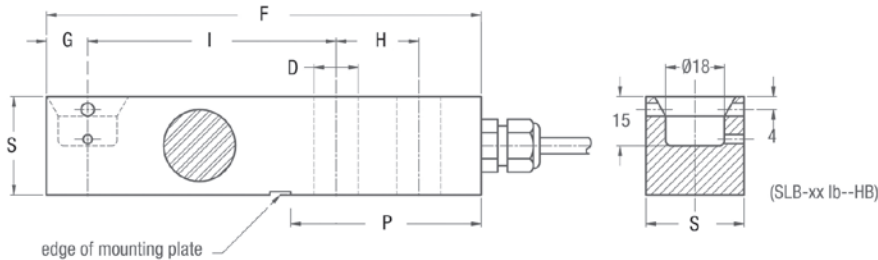
Order Information: Blind Hole

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 overbraid 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

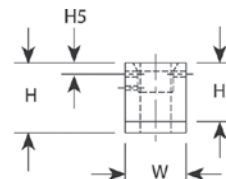
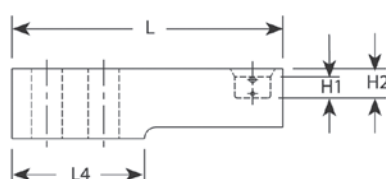
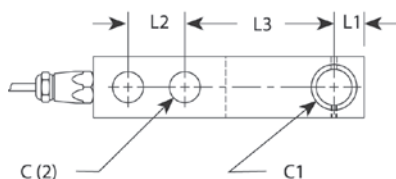
Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified/OIML</b>			
5 kN	26662	4 lb	\$715.00
10 kN	26663	4 lb	\$715.00
23 kN	26664	4 lb	\$715.00
50 kN	26665	7 lb	\$795.00
<b>Non-NTEP Certified/Non-OIML</b>			
5 kN	17390	4 lb	\$652.00
10 kN	17391	4 lb	\$652.00
23 kN	17392	4 lb	\$652.00
50 kN	17393	7 lb	\$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 26

RICE LAKE WEIGHING SYSTEMS

**Paramounts® HS**..... page 39

### 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



Picture is a representation of actual product

#### Approvals



#### Order Information

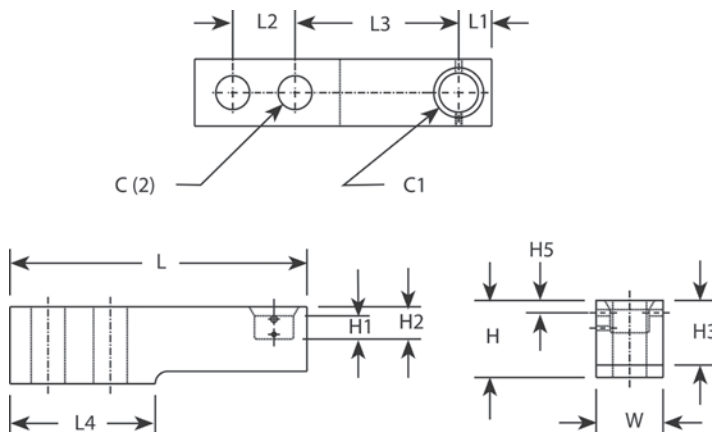
Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified/OIML</b>			
5 kN	33387	3 lb	\$430.00
10 kN	33388	3 lb	\$430.00
20 kN	33389	3 lb	\$430.00
50 kN	33390	7 lb	\$560.00
<b>Non-NTEP Certified/Non-OIML</b>			
100 kN	33391	16 lb	\$853.00

#### 30 ft Cables

Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified/OIML</b>			
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
<b>Non-NTEP Certified/Non-OIML</b>			
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 37

#### 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:

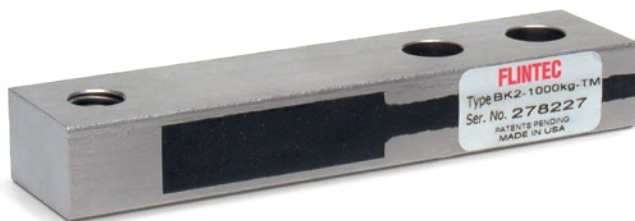
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

##### Warranty:

One-year limited

##### Approvals:

FM  
NTEP  
OIML



Picture is a representation of actual product.

#### Approvals



Available  
upon  
request

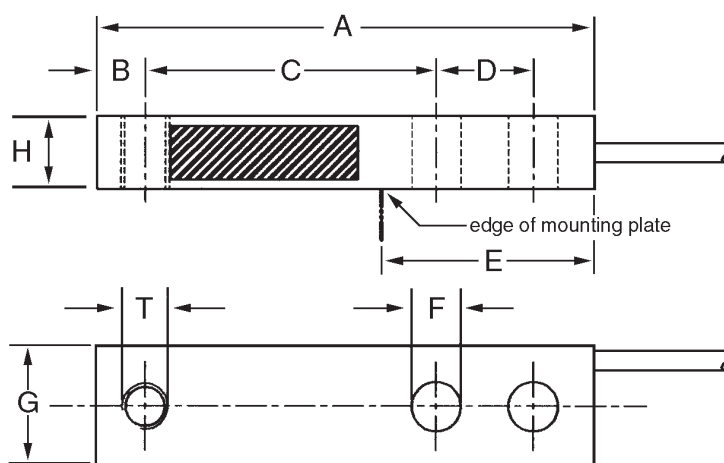
#### Order Information

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:

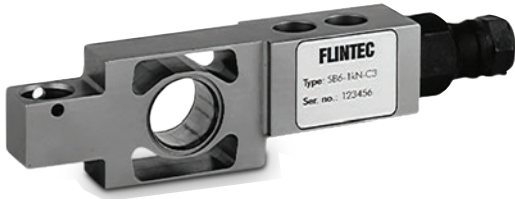
One-year limited

##### Approvals:

NTEP  
EX  
OIML (Available upon request)

SB6

Stainless Steel, Hermetically Sealed, OIML C3, IP68



Picture is a representation of actual product.

Approvals

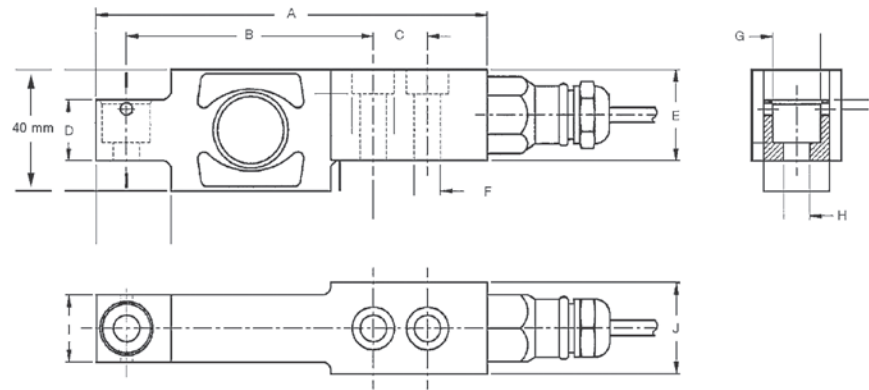


Order Information

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



Picture is a representation of actual product.

#### Approvals

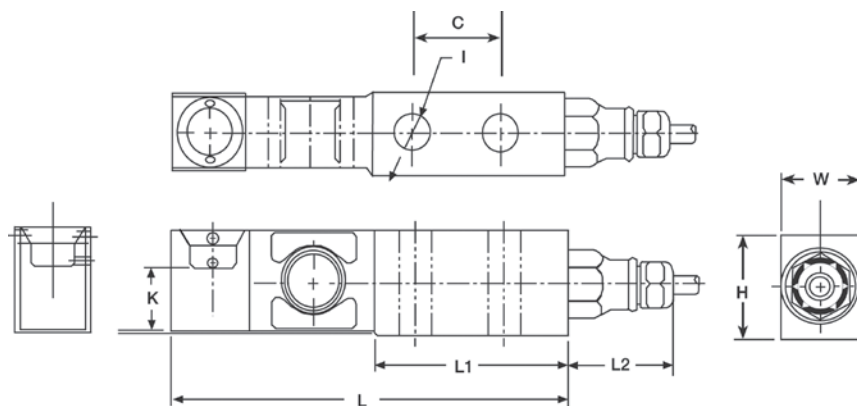


#### Order Information

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

#### 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



#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Paramounts® HE**..... page 26

RICE LAKE WEIGHING SYSTEMS

**Paramounts® HS**..... page 39

#### 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 to 10 VDC (15 V maximum)

##### Nonlinearity:

0 to -0.03% full scale

##### Hysteresis:

0 to +0.05% full scale

##### Insulation Resistance:

10,000 megohm

##### 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

##### 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

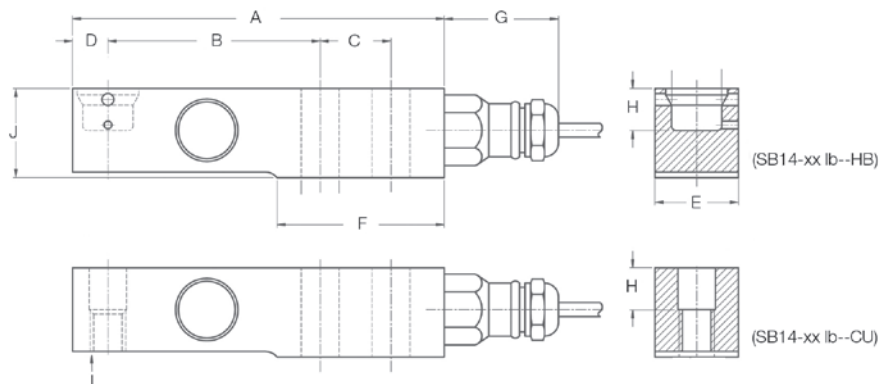
**Order Information-HB Version\*\***

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**

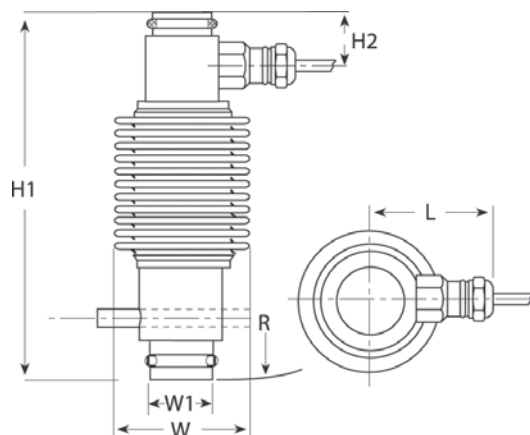
Load Rating	Part #	Est. Weight	Price
250 kN*	<b>36217</b>	8 lb	\$858.00
400 kN	<b>36218</b>	10 lb	\$1,457.00
50,000 lb**	<b>170734</b>	8 lb	\$1,075.00
<b>Accessories</b>			
Conduit adapter, 1/2-14 NPT	<b>17703</b>	1 lb	\$50.00
Load cup**, upper (250 kN only)	<b>71602</b>	—	\$185.00
Load cup**, lower (250 kN only)	<b>44290</b>	—	\$181.00
Anti-rotation pin	<b>214044</b>	—	\$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 78.

\*\*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



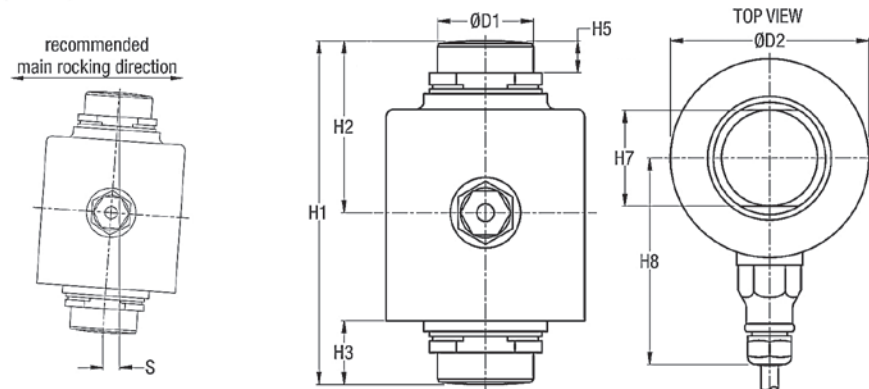
#### Order Information

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	\$143.00
Lower cup (50 t) alloy steel	<b>111366</b>	5 lb	\$143.00
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 79. 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

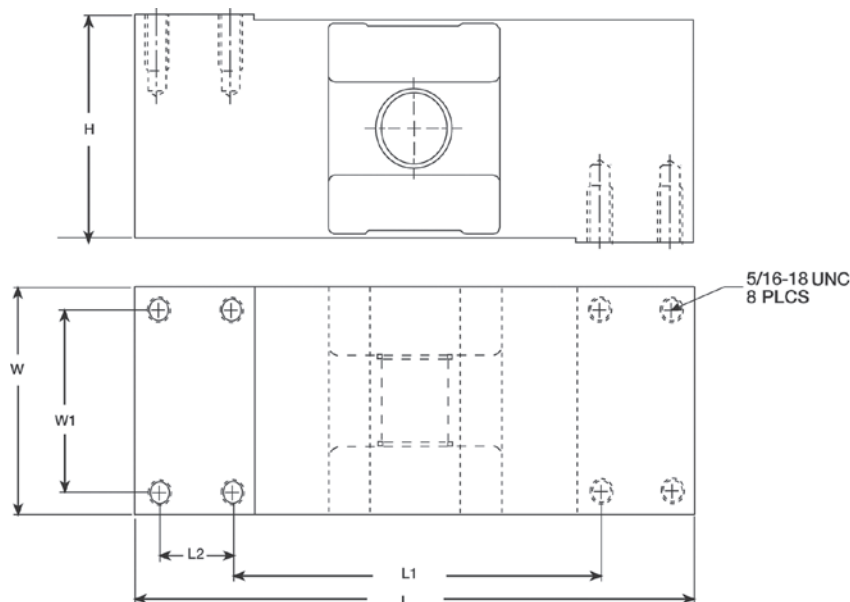


#### Order Information

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 159

RICE LAKE WEIGHING SYSTEMS

**RL1250\***

VPG TEDEA-HUNTLEIGH®

**1250\***.....page 322

\* 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

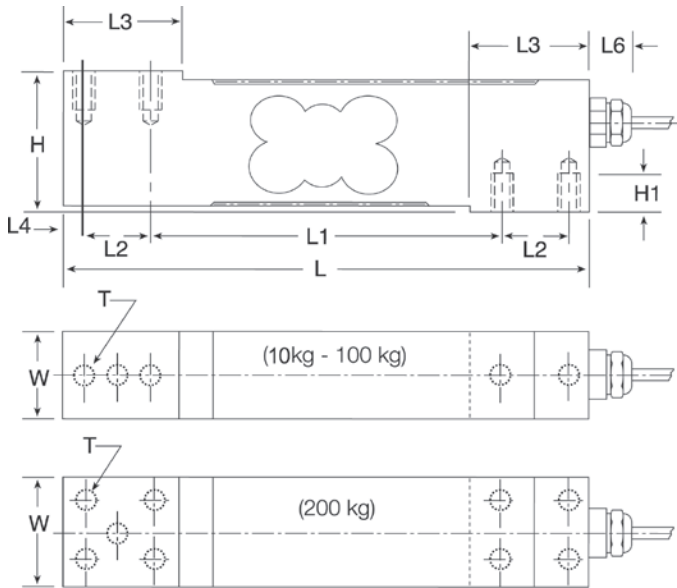


Order Information

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 165

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

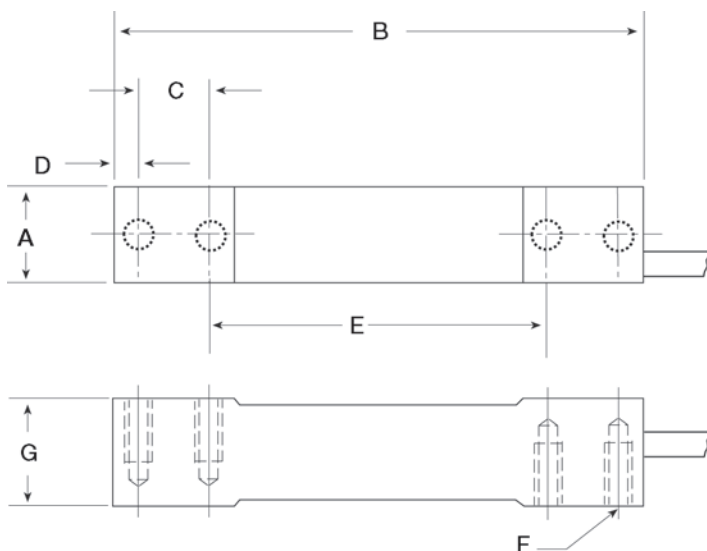


#### Order Information

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 164

HBK

**PWS**..... page 231

#### 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

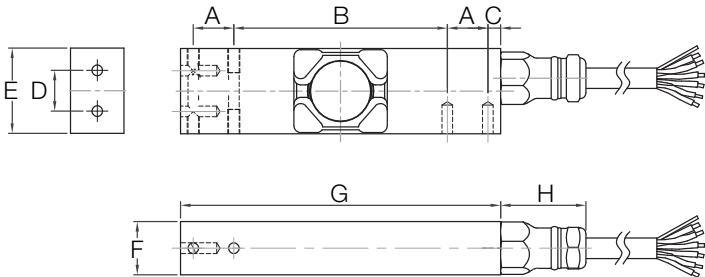


Order Information

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 153

HBK

PW15AH\*.....page 230

\*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

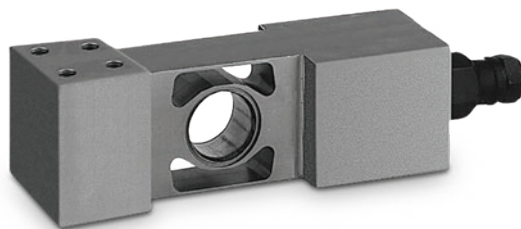
Approvals:

FM

NTEP

OIML





Picture is a representation of actual product.

#### Approvals

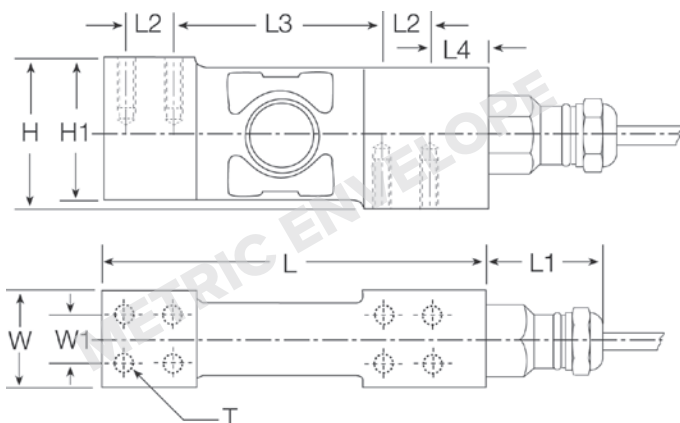


#### Order Information

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 152

#### 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

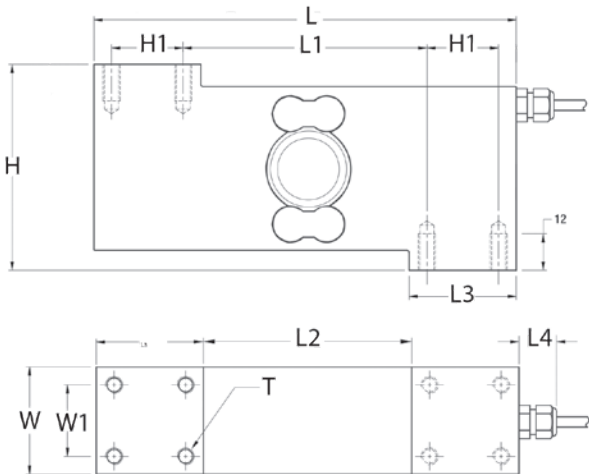


Order Information

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 324

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



Picture is a representation of actual product.

## Approvals

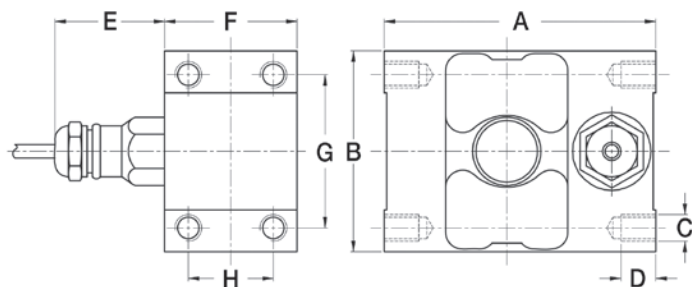


## Order Information

Load Rating	Part #	Est. Weight	Price
150 kg	<b>41176</b>	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:

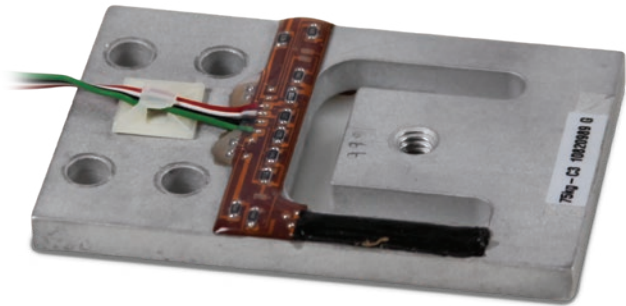
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Blue +Sense  
Brown -Sense  
Yellow Shield

### Warranty:

One-year limited

### Approvals:

FM

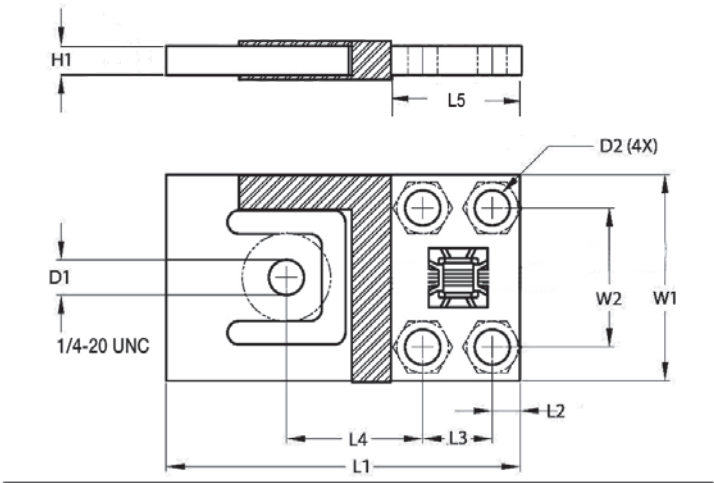


Order Information

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) 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 172

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 224

#### H35, STAINLESS STEEL



Offers all stainless steel construction, an integral mounting foot, and 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 225

#### 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 226

#### 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 to 200 kg. Complete with 10 ft of load cell cable.



### ROCKER COLUMN

Page 227

#### 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 228

#### SP4M, ALUMINUM



A low-profile, off-center load cell designed for use in retail, postal and platform scale applications. Manufactured from aluminum, the SP4M 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 to 100 kg, and comes standard with 10 ft of load cell cable.



Page 229

#### PW15, STAINLESS STEEL



A stainless steel, single point load cell with capacities ranging from 15 to 150 kg. Ideal for platform, hanging scale and other low capacity beam applications. Complete with 10 ft of load cell cable.



Page 230

#### 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 231

#### PWS, STAINLESS STEEL



A single-point cell, constructed of stainless steel and designed for performance in harsh, high-shock load environments. These features make the PWS ideal for platform scales and packaging and process weighing equipment. Capacities range from 7 to 150 kg. Complete with 10 ft of load cell cable.





Picture is a representation of actual product.

#### Approvals

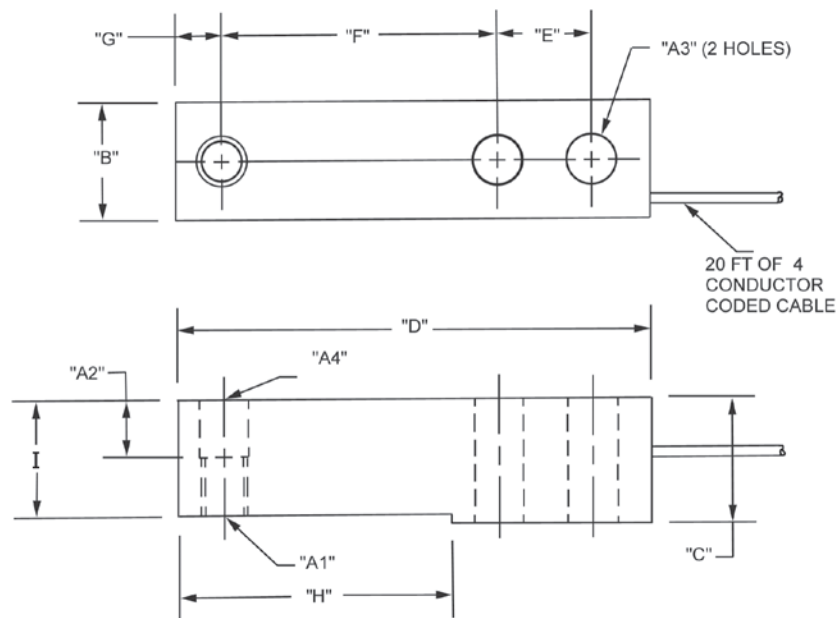


#### Order Information

Load Rating	Part #	Est. Weight	Price
500 lb	<b>84818</b>	3 lb	\$371.00
1,000 lb	<b>64876</b>	3 lb	\$371.00
2,500 lb	<b>64877</b>	3 lb	\$371.00
4,000 lb	<b>64878</b>	3 lb	\$371.00
5,000 lb	<b>64879</b>	3 lb	\$371.00

#### 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 110

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

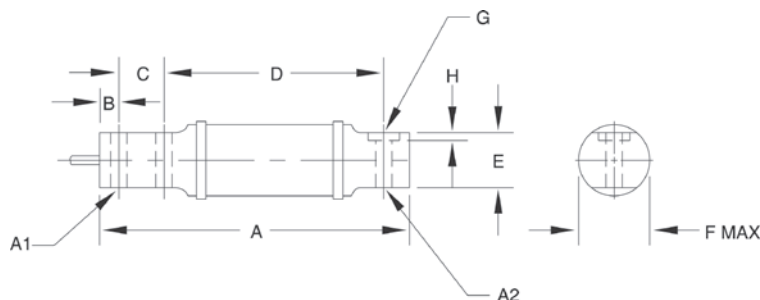


### Order Information

Load Rating	Part #	Est. Weight	Price
50 lb	17352	3 lb	\$927.50
100 lb	17353	3 lb	\$927.50
200 lb	17354	3 lb	\$927.50
250 lb	17355	3 lb	\$927.50
500 lb	17356	3 lb	\$927.50
1,000 lb	17357	3 lb	\$927.50

### 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 121

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:

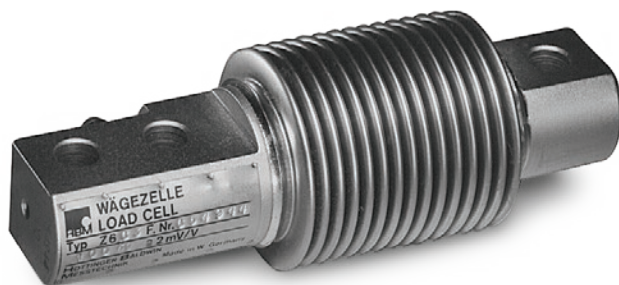
Green +Excitation  
Black -Excitation  
White +Signal  
Red -Signal  
Yellow Shield

#### Warranty:

One-year limited

#### Approvals:

FM



Picture is a representation of actual product.

### Approvals



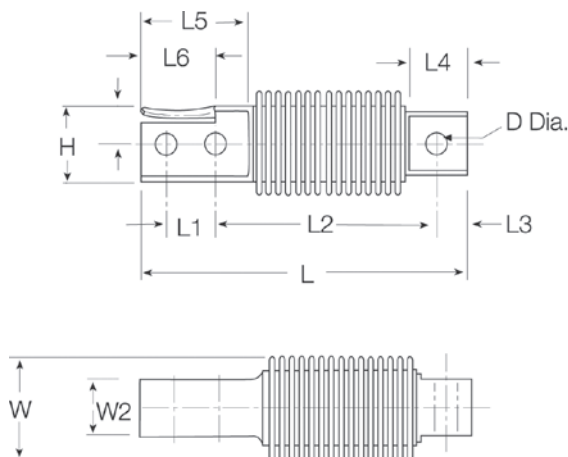
Available  
upon  
request

### Order Information

Load Rating	Part #	Est. Weight	Price
<b>OIML C3</b>			
10 kg	<b>36173</b>	2 lb	\$689.00
20 kg	<b>36174</b>	2 lb	\$689.00
50 kg	<b>36175</b>	2 lb	\$689.00
100 kg	<b>36176</b>	2 lb	\$689.00
200 kg	<b>36177</b>	2 lb	\$689.00
<b>OIML D1</b>			
5 kg	<b>36172</b>	2 lb	\$689.00

### 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 107

RICE LAKE WEIGHING SYSTEMS

**RLHBB\*\***

VPG® REVERE

**SHB** ..... page 253

VPG® TEDEA-HUNTLEIGH

**355** ..... page 309

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

**Warranty:**

One-year limited

**Approvals:**

FM  
OIML  
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

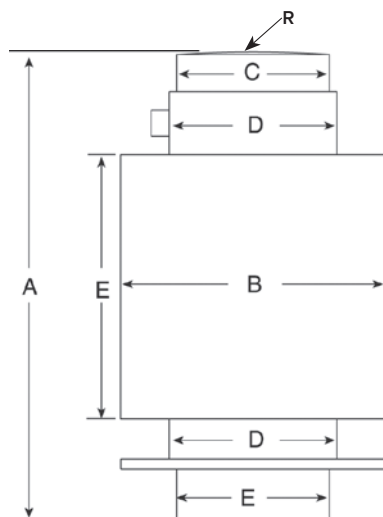


## Order Information

Load Rating	Part #	Est. Weight	Price
<b>OIML C3</b>			
20 t	<b>69312</b>	6 lb	\$1,060.00
30 t	<b>69313</b>	6 lb	\$1,060.00
40 t	<b>69314</b>	10 lb	\$1,060.00
60 t	<b>125266</b>	10 lb	\$1,113.00
<b>NTEP Certified</b>			
20 t	<b>106149</b>	6 lb	\$1,060.00
30 t	<b>106150</b>	6 lb	\$1,060.00
40 t	<b>106151</b>	10 lb	\$1,060.00
60 t	<b>125265</b>	10 lb	\$1,113.00

## 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

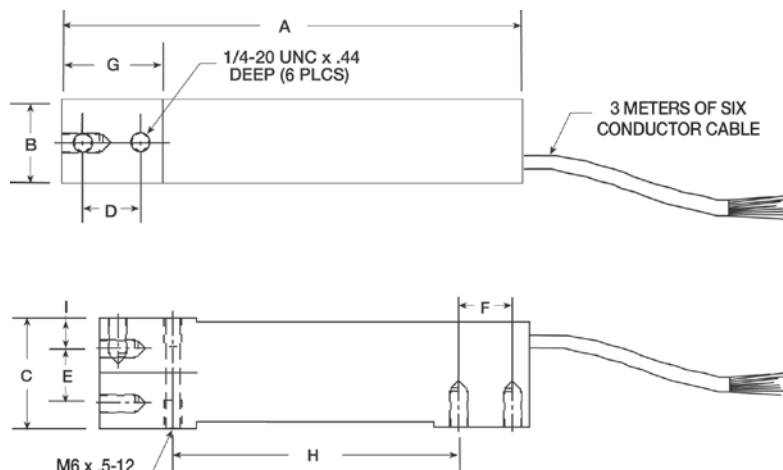


#### Order Information

Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified</b>			
7 kg	<b>72764</b>	2 lb	\$238.50
15 kg	<b>72767</b>	2 lb	\$238.50
20 kg	<b>72769</b>	2 lb	\$238.50
30 kg	<b>72771</b>	2 lb	\$238.50
50 kg	<b>72776</b>	2 lb	\$238.50
75 kg	<b>72777</b>	2 lb	\$238.50
100 kg	<b>72778</b>	2 lb	\$238.50
<b>OIML with Metric Threads</b>			
3 kg	<b>121396</b>	2 lb	\$238.50
5 kg	<b>121397</b>	2 lb	\$238.50
7 kg	<b>121398</b>	2 lb	\$238.50
10 kg	<b>121399</b>	2 lb	\$238.50
15 kg	<b>121400</b>	2 lb	\$238.50
20 kg	<b>121401</b>	2 lb	\$238.50
30 kg	<b>121402</b>	2 lb	\$238.50
50 kg	<b>121403</b>	2 lb	\$238.50
75 kg	<b>124835</b>	2 lb	\$238.50
100 kg	<b>121404</b>	2 lb	\$238.50

#### 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 158

RICE LAKE WEIGHING SYSTEMS

**RL1042**.....page 161

VPG® TEDEA-HUNTLEIGH

**1042**.....page 313

\*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

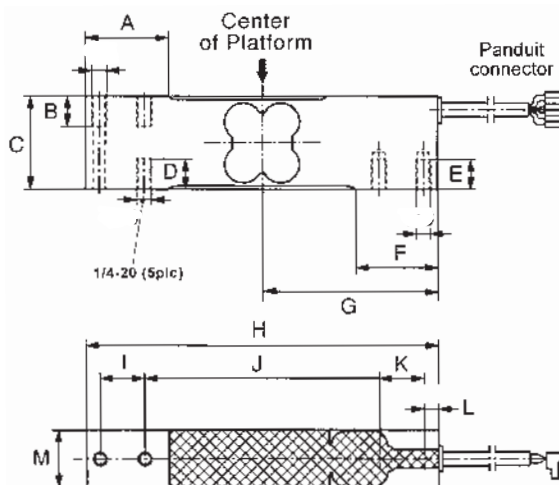


#### Order Information

Load Rating	Part #	Est. Weight	Price
15 kg	<b>76771</b>	3 lb	\$387.00
20 kg	<b>76772</b>	3 lb	\$387.00
50 kg	<b>76774</b>	3 lb	\$387.00
75 kg	<b>76775</b>	3 lb	\$387.00
100 kg	<b>76776</b>	3 lb	\$387.00
150 kg	<b>84820</b>	3 lb	\$387.00

#### 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 154

VPG® TEDEA-HUNTLEIGH

**1142\***..... page 318

\*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

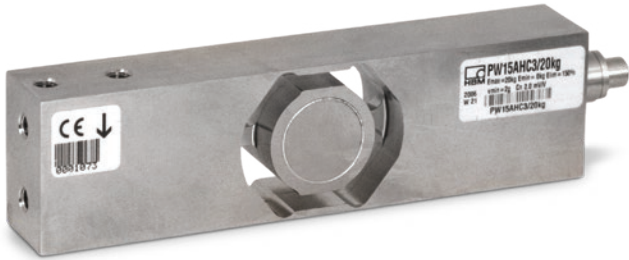
##### Approvals:

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

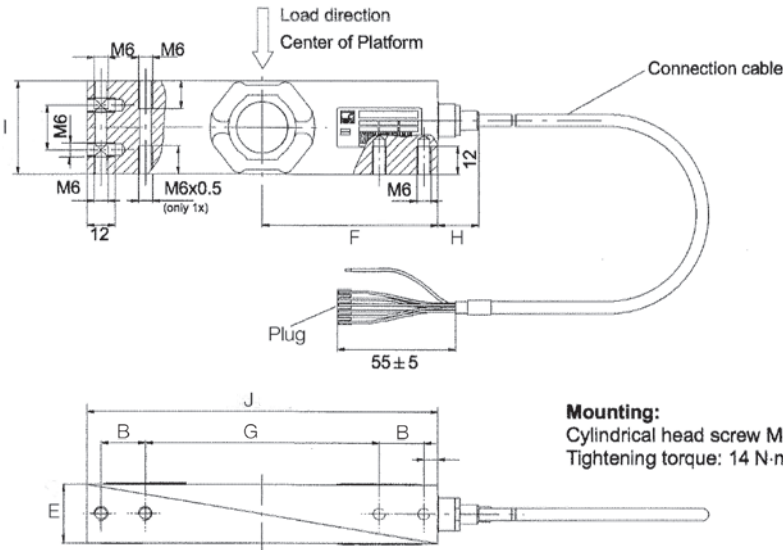


Order Information

Load Rating	Part #	Est. Weight	Price
10 kg	101915	3 lb	\$715.50
20 kg	101916	3 lb	\$715.50
50 kg	101917	3 lb	\$715.50
100 kg	101918	3 lb	\$715.50

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 154

FLINTEC®

**PC4**.....page 218

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

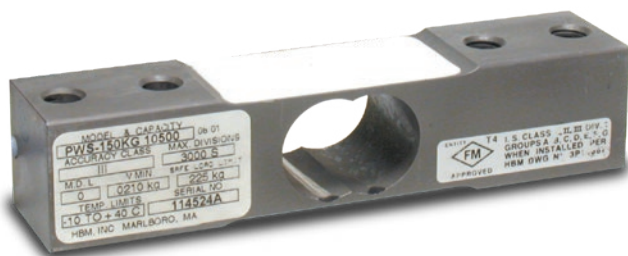
**Approvals:**

NTEP

OIML

FM





Picture is a representation of actual product.

#### Approvals

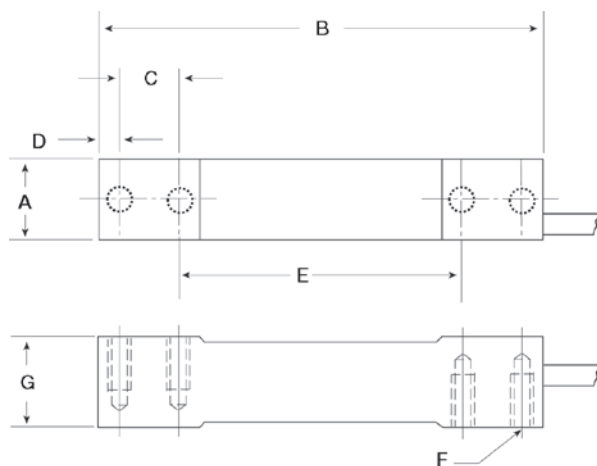


#### Order Information

Load Rating	Part #	Est. Weight	Price
7 kg	36185	2 lb	\$387.00
10 kg	36186	2 lb	\$387.00
15 kg	36187	2 lb	\$387.00
30 kg	36188	2 lb	\$387.00
60 kg	36189	2 lb	\$387.00
100 kg	68551	2 lb	\$387.00
150 kg	69345	2 lb	\$387.00

#### 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 164

FLINTEC®

**PC3**..... page 217

#### 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 234      1200, ALLOY STEEL/ALUMINUM



The 1200 Series compact design permits smaller, more compact testing machines, portability and allows for weighing systems of substantially smaller dimensions. Resistance to extraneous forces produces high fatigue life, permits less stringent mounting alignment and reduces the possibility of reading errors. Capacities range from 1,000 to 100,000 lb. Complete with 10 ft of load cell cable.

Page 235      3200, STAINLESS STEEL



The 3200 Series stainless steel load cells are designed specifically for difficult applications in harsh environments. These units incorporate welded stainless steel diaphragms to resist corrosion and to 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 to 100,000 lb. Complete with 20 ft of load cell cable.

TENSION/COMPRESSION

Page 236      SML, LOW HEIGHT



A low height load cell designed for tension and compression. Available in anodized aluminum (5 to 300 lb capacity) or stainless steel (500 to 2,000 lb) construction. Complete with 5 ft of integral cable.

Page 237      WMC, STAINLESS STEEL, ROD END



The WMC rod end load cell is constructed of stainless steel, environmentally sealed and designed for tension or compression. Capacities range from 15,000 to 200,000 lb.

Page 238      WMC MINIATURE SEALED, STAINLESS STEEL



The WMC Miniature Sealed load cell completes the WMC line with this 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

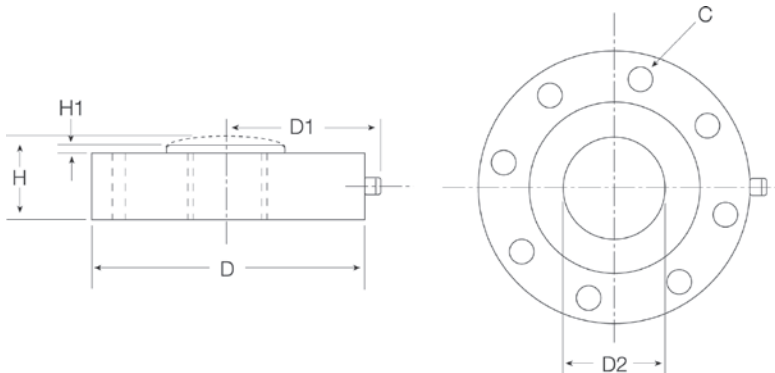
**Dimensions**

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

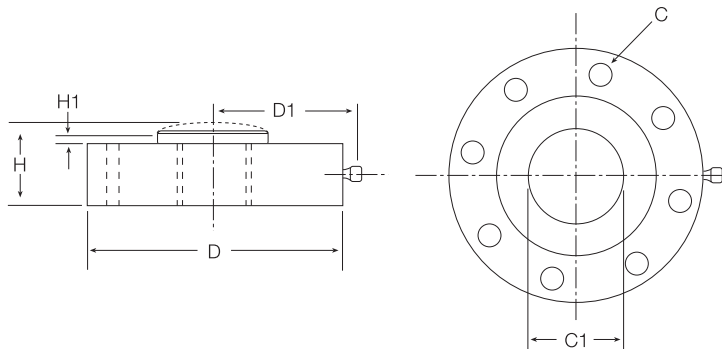
## Order Information

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

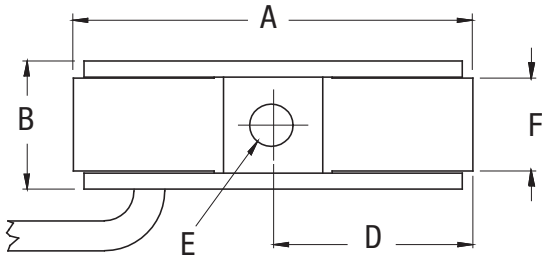
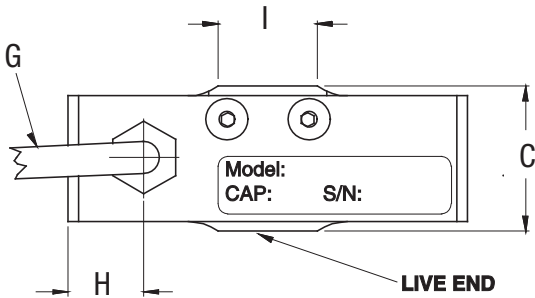
Dimensions

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 .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 .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 .38 deep	0.71	0.13	0.46	0.57
2,000	2.80	1.16	1.24	1.40	1/2-20 UNF .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

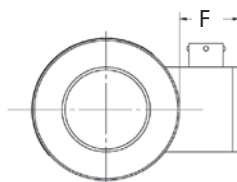
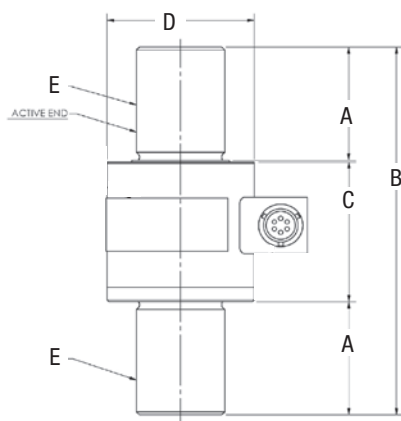
Load Rating	Part #	Est. Weight	Price
15,000 lb	<b>185079</b>	5 lb	\$2,040.00
20,000 lb	<b>185080</b>	5 lb	\$2,040.00
30,000 lb	<b>185081</b>	5 lb	\$2,040.00
50,000 lb	<b>185583</b>	5 lb	\$2,040.00
100,000 lb	<b>185082</b>	20 lb	\$3,705.00
200,000 lb	<b>185083</b>	40 lb	\$4,400.00

## 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

WMC Miniature Sealed

Stainless Steel



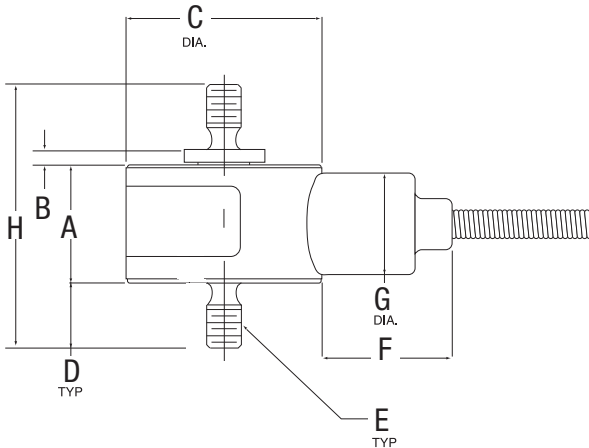
Picture is a representation of actual product

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

### S-BEAMS

#### Page 243

#### 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 244

#### 9363, STAINLESS STEEL



A stainless 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, 15,000 lb and 20,000 lb. Complete with 20 ft of load cell cable. Trimmed outputs makes installation easy.



#### Page 245

#### 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 246

#### 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 247

#### 9123, STAINLESS STEEL



Low-cost, high performance, 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 to 20,000 lb. Complete with 20 ft of load cell cable.



#### Page 248

#### 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 249

#### ACB, STAINLESS STEEL



The ACB is a stainless steel, hermetically sealed, single-ended shear beam load cell utilizing a 1,000 ohm bridge. Capacities of the ACB range from 500 to 5,000 kg.

#### Page 250

#### 9102, STAINLESS STEEL



The Model 9102 is a form, fit and function match for the VPG Revere® 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 to 2,500 lb. Complete with 10 ft of load cell cable.



## SINGLE-ENDED BEAMS

Page 251

### 5102, ALLOY STEEL



The model 5102 is a single-ended beam load cell. 500 lb capacities and above are constructed as shear beams. 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 to 2,500 lb. Complete with 10 ft of load cell cable.



Page 252

### 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 253

### SHB, STAINLESS STEEL



The SHB model is stainless steel and features a welded seal for tough industrial environments where high accuracy and low profiles are required. Capacities range from 20 to 200 kg. Complete with 10 ft of load cell cable.



Page 254

### 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 255

### 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 256

### 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 257

### 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 258

### 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 259

**9803, STAINLESS STEEL**


This center loaded double-ended beam features full stainless steel construction, and is ideal for both truck scale and process weighing applications. Available in 50,000 to 100,000 lb capacities. Each unit is provided with 30 ft of load cell cable.



Page 260

**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 261

**9423, 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. Complete with 30 ft of load cell cable.



## COMPRESSION CANISTERS

Page 262

**ASC, STAINLESS STEEL**


The ASC is a stainless steel, hermetically sealed, single-column compression load cell. An IP68 rating, combined with built-in surge protection, ensures the ASC is well-protected. The ASC is OIML approved and comes with 15 m of load cell cable.



Page 263

**RLC, STAINLESS STEEL**


The RLC is a low profile, high performance ring torsion type load cell constructed of stainless steel. This product is suitable for small and medium platform scales, as well as process weighing. Capacities range from 0.25 to 10 T.



Page 264

**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 265

**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. Compression Super Precision (CSP) cells are 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 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 266

**792, STAINLESS STEEL**


Single-column design with low deflection and welded-seal for trouble-free operation. High-alloy steel, epoxy coated for trouble-free use in harsh environments. Capacities range from 50,000 to 200,000 lb. Compact and rugged.



SINGLE POINTS

Page 267

462, ALLOY STEEL



Very high performance single-point cell designed for high-precision counter scales. Negligible error from off-center loading. Resistant to severe impact loading. Good water resistance. Capacities range from 2 to 250 lb. Complete with 10 ft of load cell cable.



Page 268

HPS, STAINLESS STEEL



The HPS stainless steel, welded-seal, low-profile single-point load cell is designed for bench scale and checkweigher applications in caustic/acidic environments. The HPS is insensitive to off-center loading and tolerates most severe washdowns. Capacities range from 6 to 100 kg. This load cell comes complete with 10 ft of load cell cable.



Page 269

HPSM, STAINLESS STEEL



Metric envelope. Low-profile single-point load cell designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading. Tolerates most severe washdowns. Capacities range from 6 to 30 kg. Includes 20 ft of load cell cable.



AXLE SCALE  
LOAD CELL

Page 270

AX3040, ALLOY STEEL



Constructed of alloy steel, the AX3040 is used in the AX3040 axle scale and is environmentally sealed.

Alloy Steel, Environmentally Sealed, NTEP Certified 1:10,000 Class III Single Cell, IP67



Picture is a representation of actual product

## Approvals

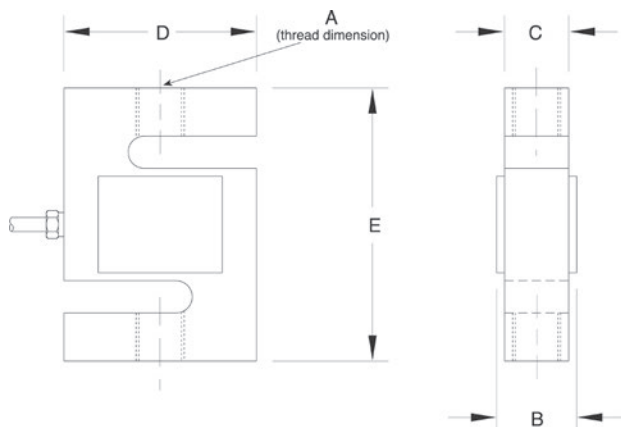


## Order Information

Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified</b>			
100 lb	21463	2 lb	\$312.00
200 lb	21464	2 lb	\$312.00
300 lb	21465	2 lb	\$312.00
500 lb	21466	2 lb	\$312.00
750 lb	21467	2 lb	\$312.00
1,000 lb	21468	2 lb	\$312.00
1,500 lb	21469	2 lb	\$312.00
2,000 lb	21470	2 lb	\$312.00
3,000 lb	21471	4 lb	\$312.00
5,000 lb	21472	4 lb	\$493.00
10,000 lb	21473	4 lb	\$493.00
<b>Non-NTEP Certified</b>			
50 lb	17043	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 92

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated Tension Cell Mount..... page 28

## 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

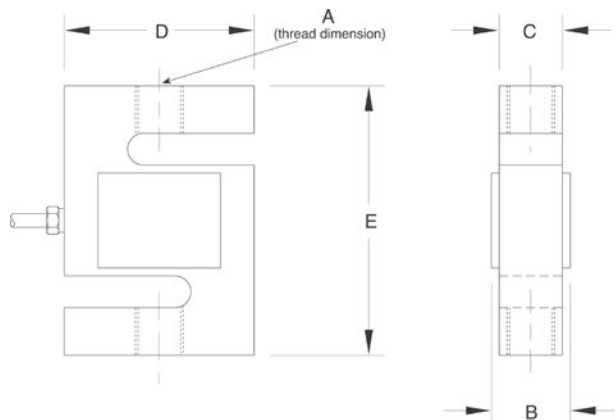


#### Order Information

Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified</b>			
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
<b>Non-NTEP Certified</b>			
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 93

RICE LAKE WEIGHING SYSTEMS

**RL20000ST** ..... page 94

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension Cell Mount** ..... page 28

#### 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

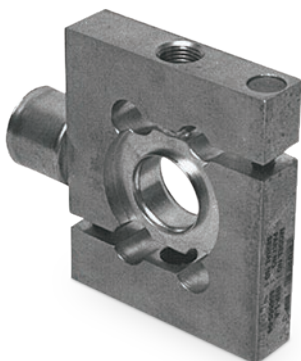
##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

#### Approvals

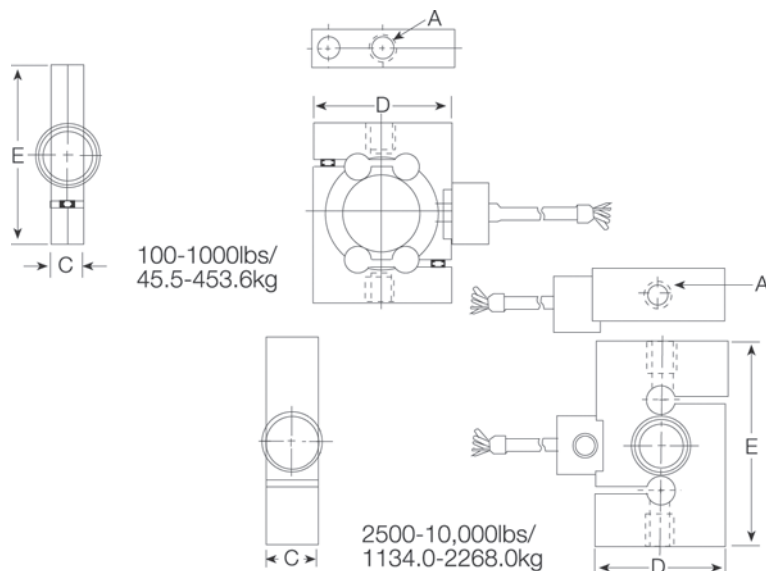


#### Order Information

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 lb/in	A	C	D	E
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 28

#### 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

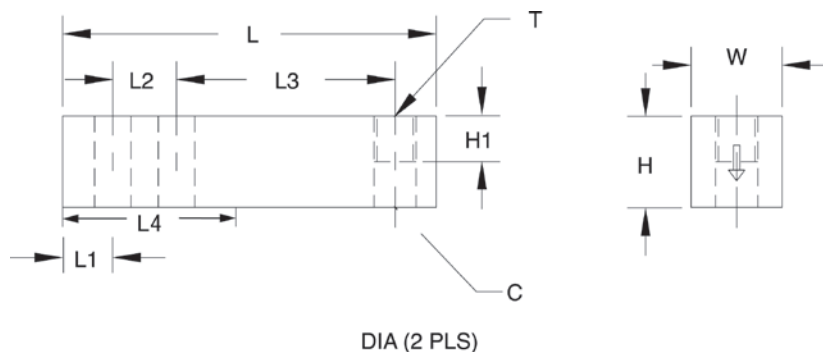


#### Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	<b>21516</b>	3 lb	\$312.00
2,500 lb	<b>21517</b>	3 lb	\$312.00
4,000 lb	<b>21518</b>	3 lb	\$312.00
5,000 lb	<b>21519</b>	8 lb	\$398.00
10,000 lb	<b>21520</b>	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 108

VPG® TEDEA-HUNTLEIGH

**3411** ..... page 306

ARTECH®

**30310**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA** ..... page 31

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series** ..... page 42

#### 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



Picture is a representation of actual product

### Approvals



### Order Information

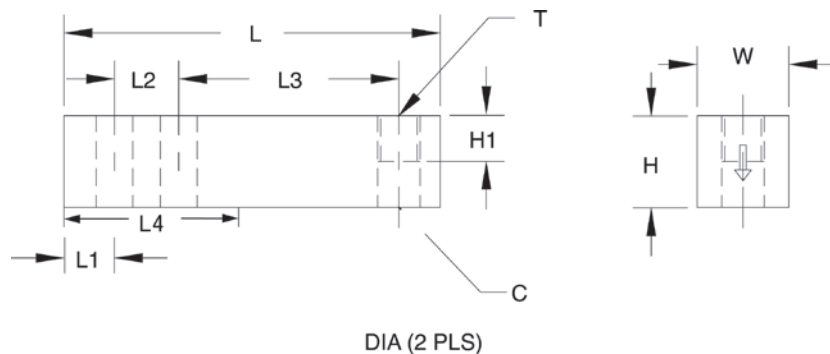
Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified</b>			
250 lb*	69380	3 lb	\$312.00
500 lb*	69381	3 lb	\$312.00
1,000 lb*	69382	3 lb	\$312.00
2,000 lb*	99314	3 lb	\$295.00
2,500 lb	69383	3 lb	\$312.00
4,000 lb	69384	3 lb	\$312.00
5,000 lb SE	69385	3 lb	\$312.00
5,000 lb	69386	8 lb	\$398.00
10,000 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 111

### Weight Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA..... page 31

RICE LAKE WEIGHING SYSTEMS

RL1800 Series ..... page 42

\*\* 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

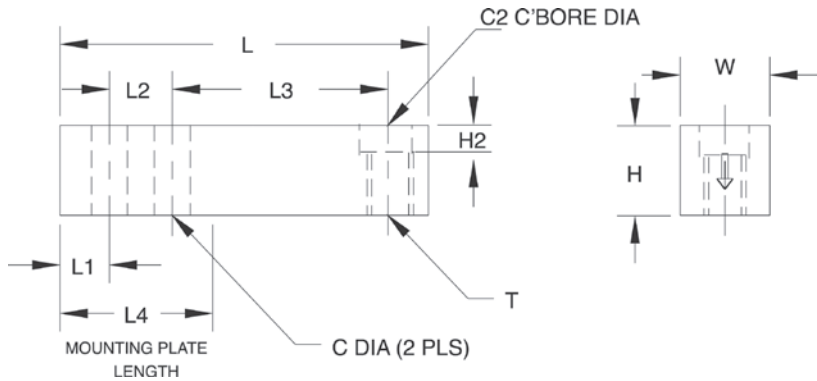


Order Information

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

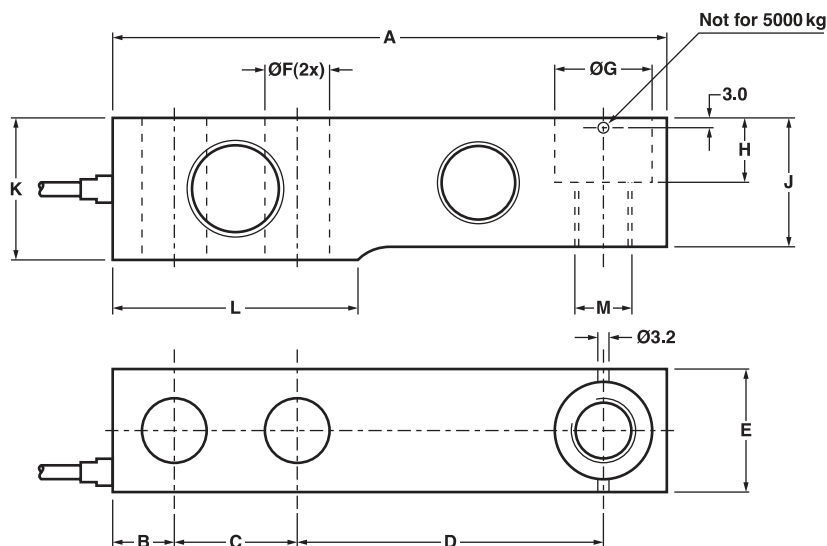


#### Order Information

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

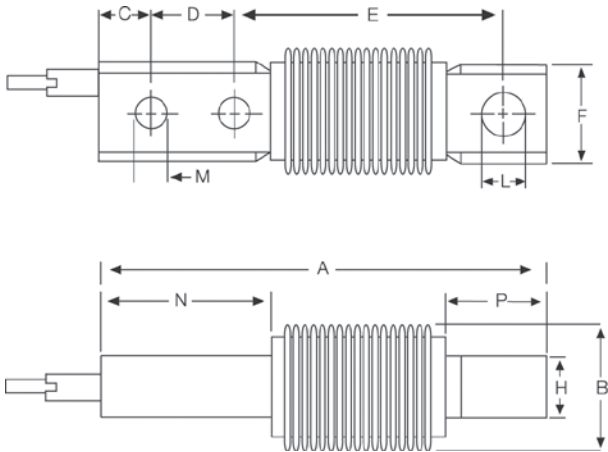


Order Information

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 251

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

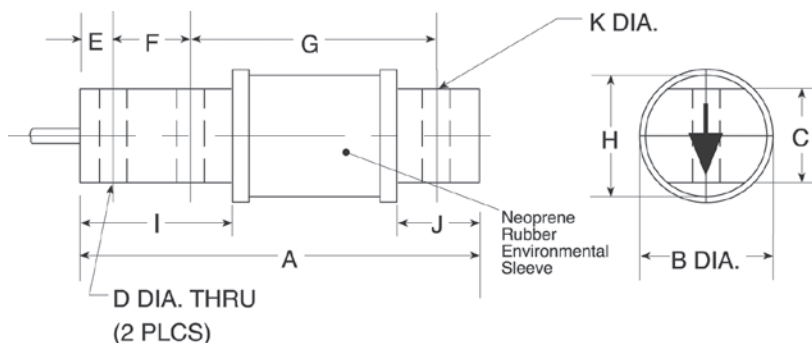


## Order Information

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 250

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3.5$ ) ohm

### Input Resistance:

350 ( $\pm 3.5$ ) 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

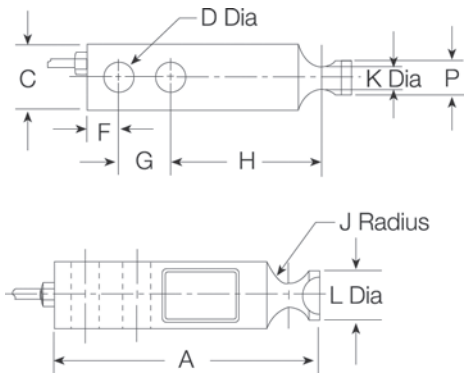


Order Information

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

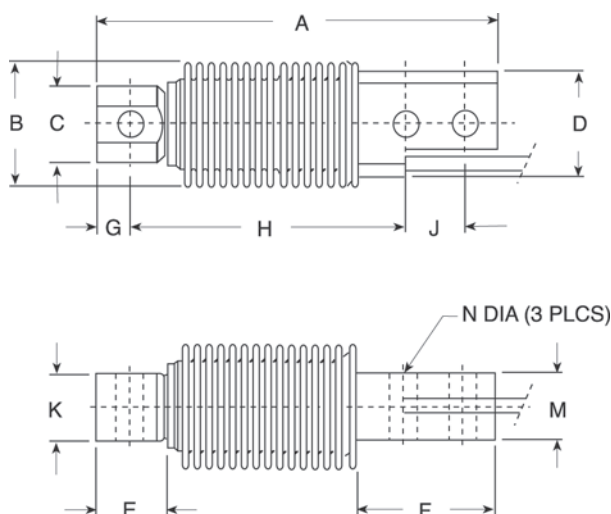


### Order Information

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 226

VPG® TEDEA-HUNTLEIGH

**355** ..... page 309

### 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

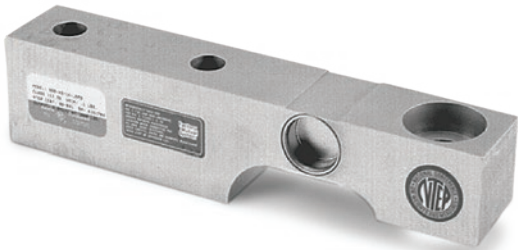
**Approvals:**

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

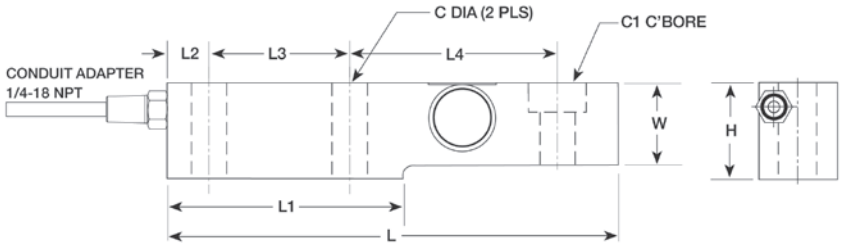


Order Information

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 116  
HBK®  
SB3

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
RL1900 Series..... page 45

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

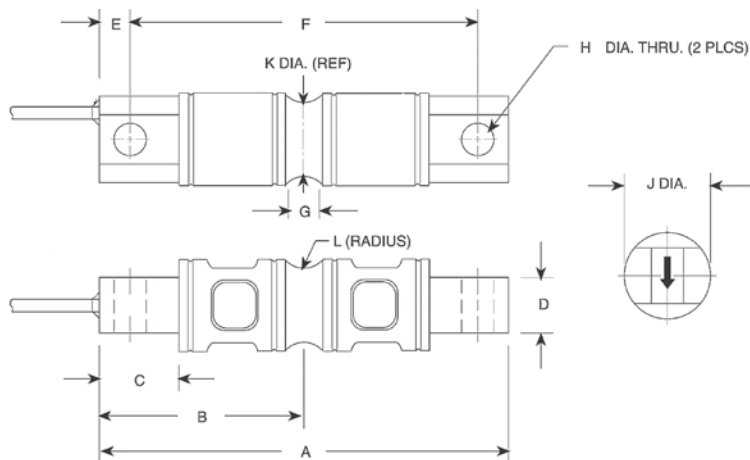


## Order Information

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 128

RL72020.....page 124

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

EZ Mount 1.....page 62

## 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

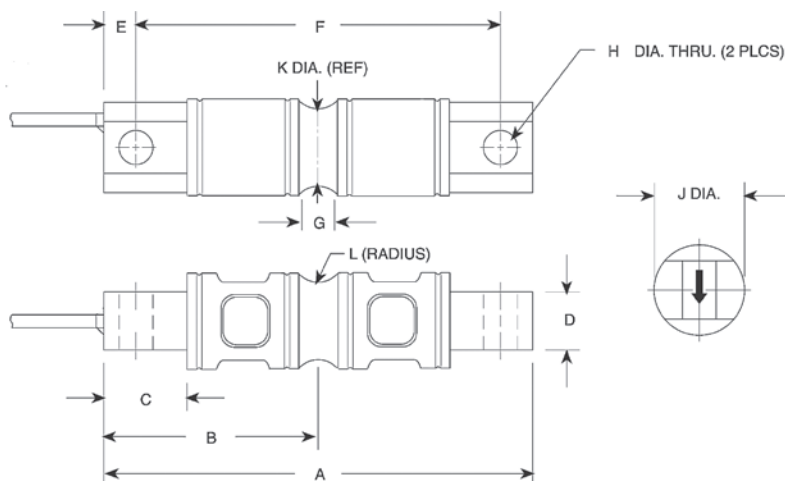


### Order Information

Load Rating	Part #	Est. Weight	Price
<b>NTEP Certified</b>			
10,000 lb	<b>17329</b>	5 lb	\$820.00
20,000 lb	<b>17330</b>	5 lb	\$820.00
30,000 lb	<b>17331</b>	19 lb	\$901.00
40,000 lb	<b>17332</b>	19 lb	\$901.00
50,000 lb	<b>17333</b>	19 lb	\$1,007.00
60,000 lb	<b>17334</b>	19 lb	\$1,007.00
100,000 lb	<b>17335</b>	30 lb	\$1,960.00
<b>Non-NTEP Certified</b>			
5,000 lb	<b>17328</b>	5 lb	\$795.00
150,000 lb	<b>17336</b>	30 lb	\$2,008.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>			
3/8-24 to 1/4-18NPT	<b>31534</b>	1 lb	\$37.00
5/8-18UNF to 1/2-14 NPT	<b>31535</b>	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 130

**RL72020SS** ..... page 125

### Weight Module Available

RICE LAKE WEIGHING SYSTEMS

**EZ Mount 1** ..... page 62

### 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

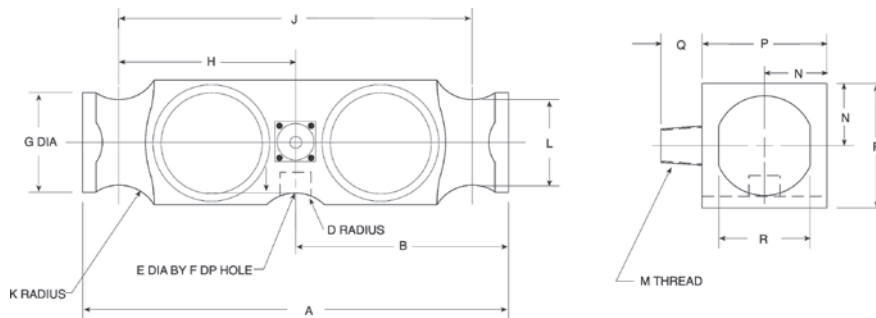


#### Order Information

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 141

THURMAN®

**TSC 800**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink™** .....page 75

#### 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

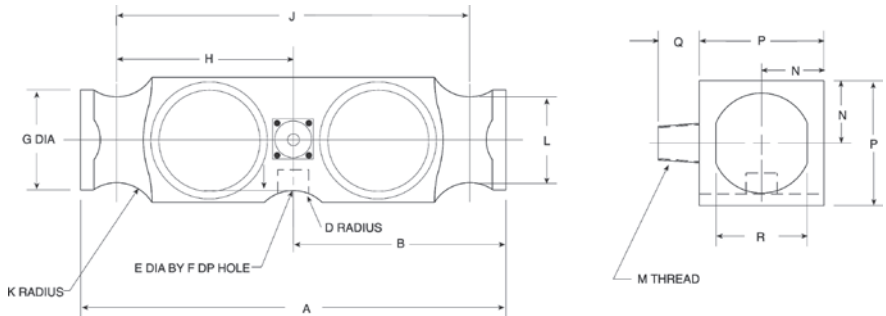


Order Information

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

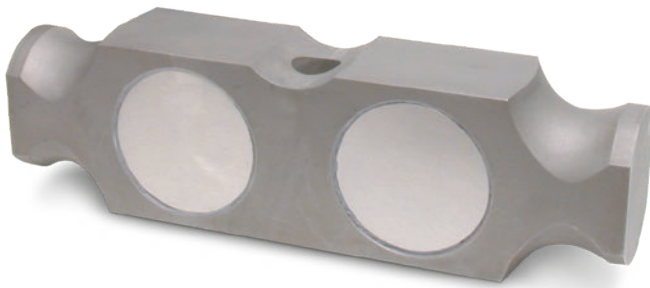


Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
Translink™ .....page 75

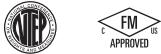
Specifications

- 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

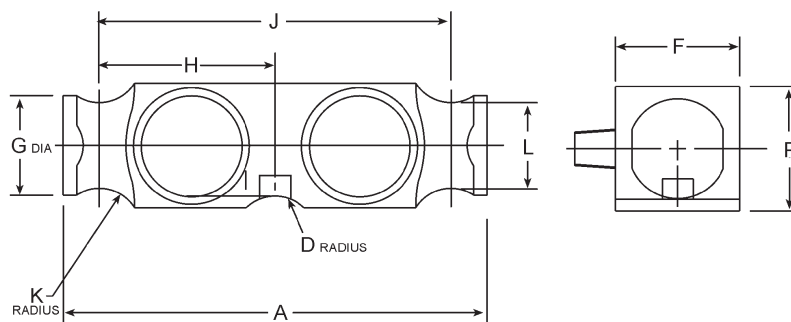


#### Order Information

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

9323

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



Picture is a representation of actual product

Approvals

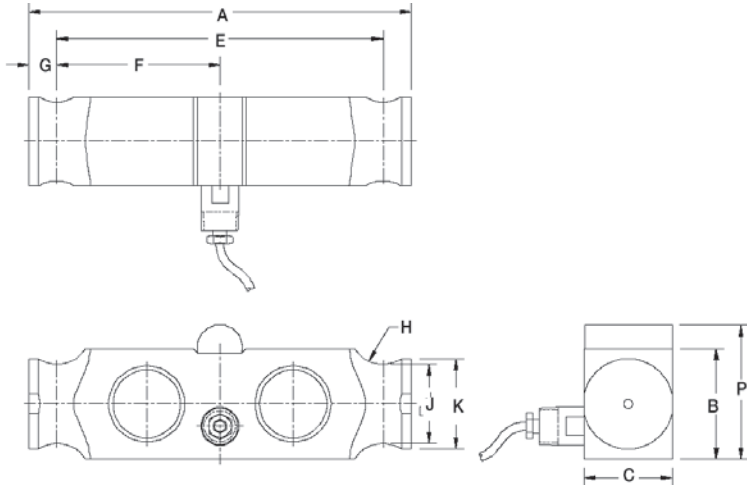


Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	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

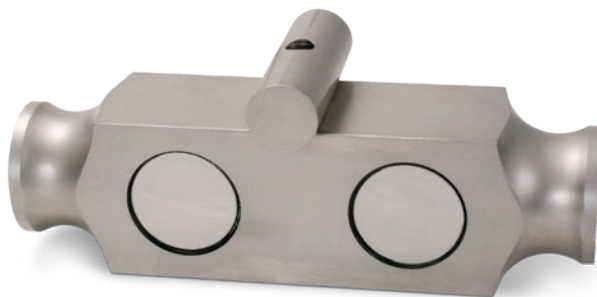


Interchangeable Products

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

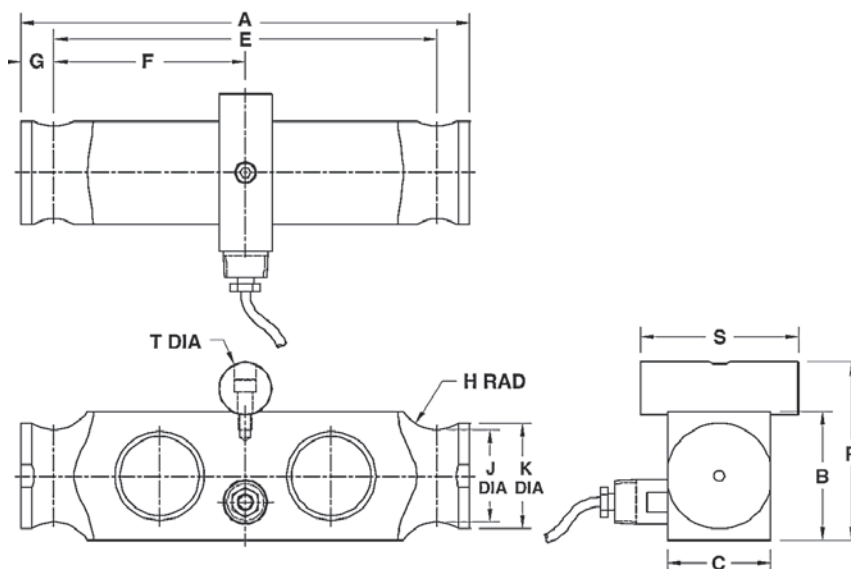


#### Order Information

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

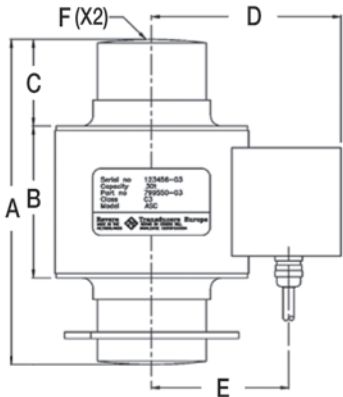


Order Information

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

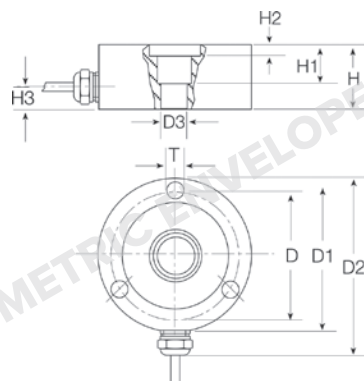
## Replacement Rocker Pin Set\*

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 53

## 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

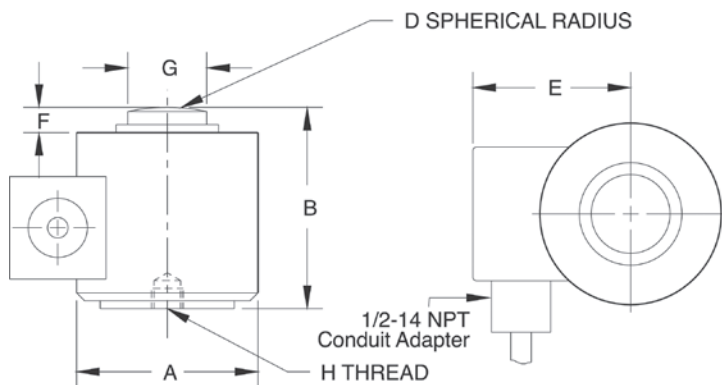


### Order Information

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 77

### 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

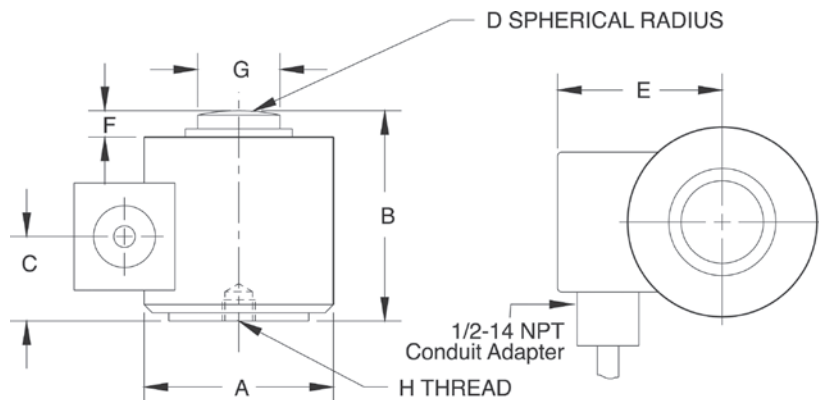


#### Order Information

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 144

VPG® REVERE

**692B\***

ARTECH

**90310\***

HOWE RICHARDSON®

**244699-000X\***

STREETER AMET3760XXX

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**MagnaMount®** ..... page 77

\* 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

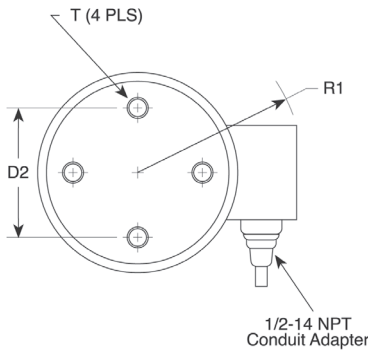
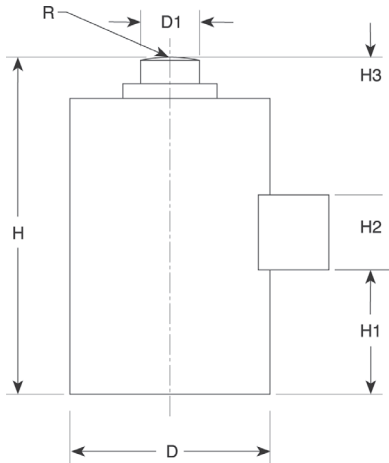


Order Information

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 145  
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

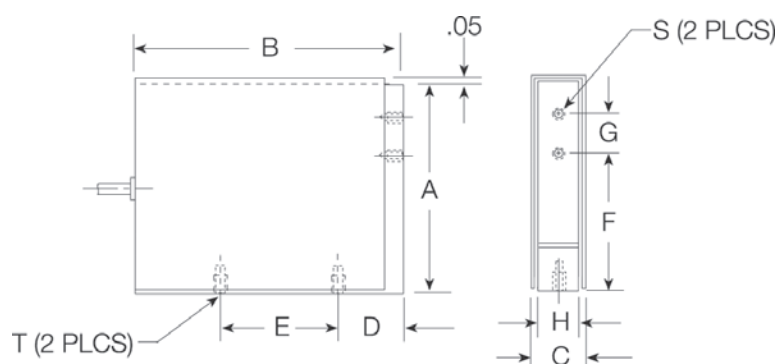


### Order Information

Load Rating	Part #	Est. Weight	Price
2 lb	<b>17442</b>	3 lb	\$630.00
5 lb	<b>17443</b>	3 lb	\$630.00
10 lb	<b>17444</b>	3 lb	\$630.00
20 lb	<b>17445</b>	3 lb	\$630.00
50 lb	<b>17446</b>	5 lb	\$662.00
100 lb	<b>17447</b>	5 lb	\$662.00
250 lb	<b>17448</b>	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

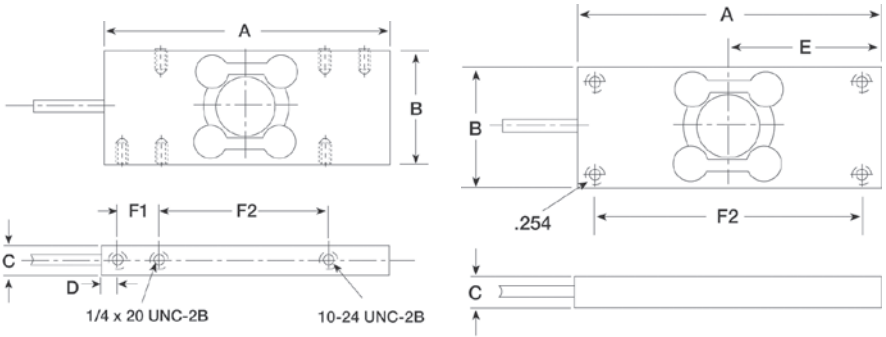


Order Information

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

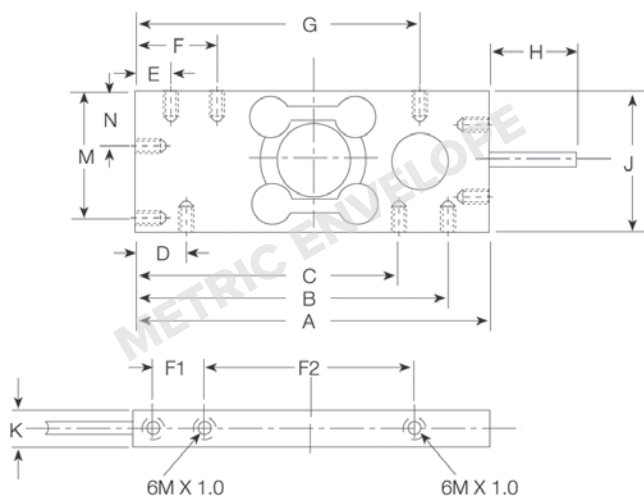


## Order Information

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



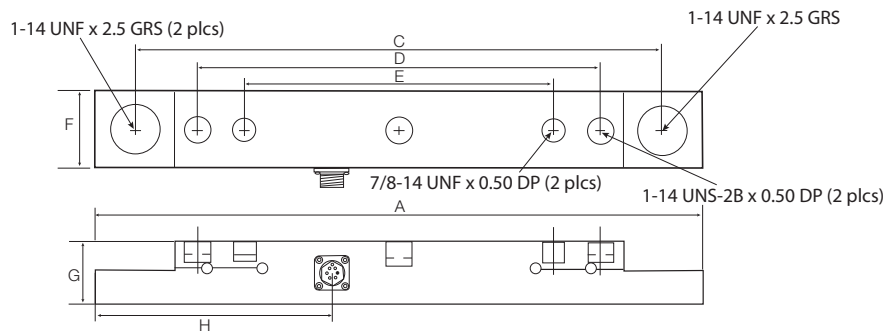
Picture is a representation of actual product

Order Information

Load Rating	Part #	Est. Weight	Price
20,000 lb	111766	30 lb	\$1,120.00

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 275

#### 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 276

#### 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 277

#### 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 278

#### 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 279

#### 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 280

#### 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 281

#### 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 282

### 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 283

### 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 284

### 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 285

### 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 286

### 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 287

### 60048SS, STAINLESS STEEL



Load cell specifically designed for heavy-duty, off-center loads on a 20 × 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 × 30 inch platform. Capacities range from 50 to 1,000 lb.



Page 288

### 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 × 8 inch; 50 to 200 lb cells may be used with a base size of 12 × 12 inch.



Page 289

### 60060, ALUMINUM



High-capacity, off-center load cell accurately weighs loads on a 30 × 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 290

### 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 291

### 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 292

### 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 293

### 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 294

### 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 295

### 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 296

### 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 297

### 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 298

**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 299

**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

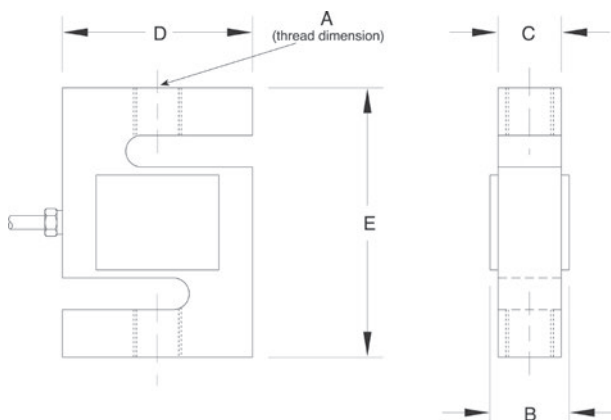


#### Order Information

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 95

VPG® CELTRON

STC.....page 188

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated Tension

Cell Mount..... page 28

#### 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

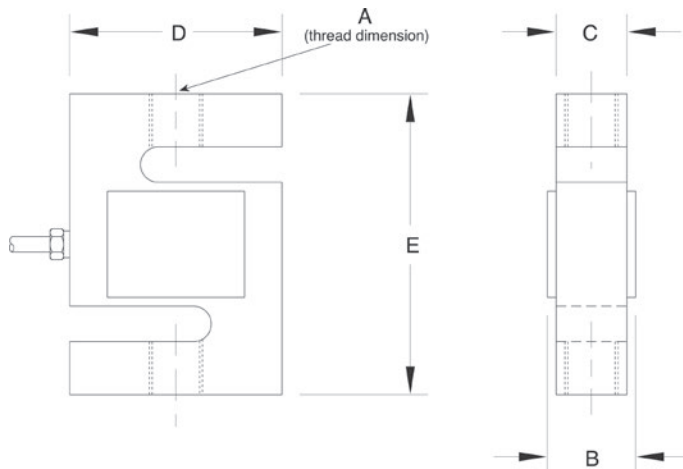


### Order Information

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 189

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated Tension**

**Cell Mount**..... page 28

### 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

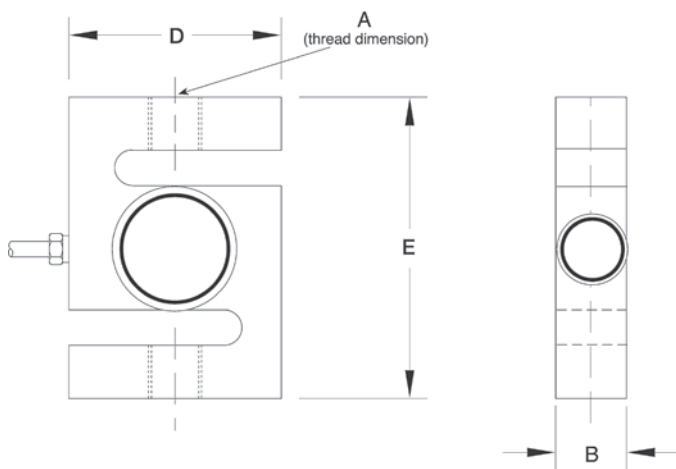


#### Order Information

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 96

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**ITCM Isolated Tension Cell Mount**..... page 28

#### 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

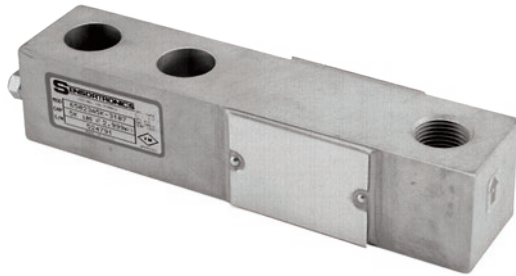
##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

#### Approvals



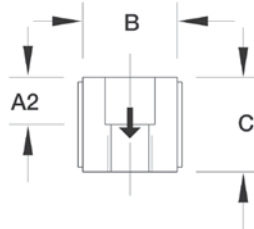
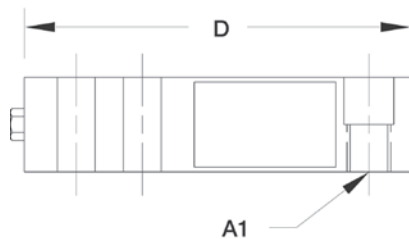
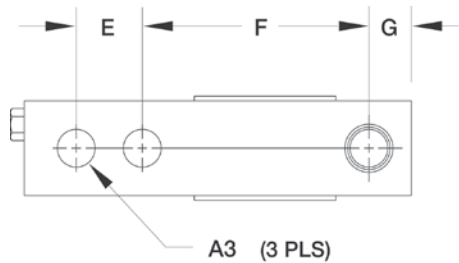
#### Order Information

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

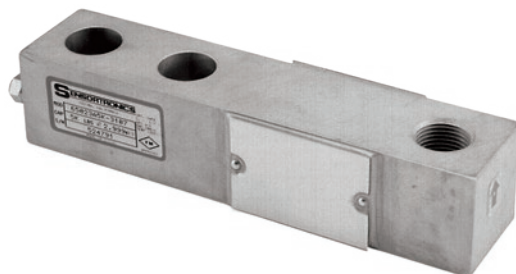
##### Warranty:

One-year limited

##### Approvals:

cFMus  
NTEP





Picture is a representation of actual product

### Approvals

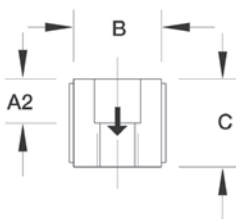
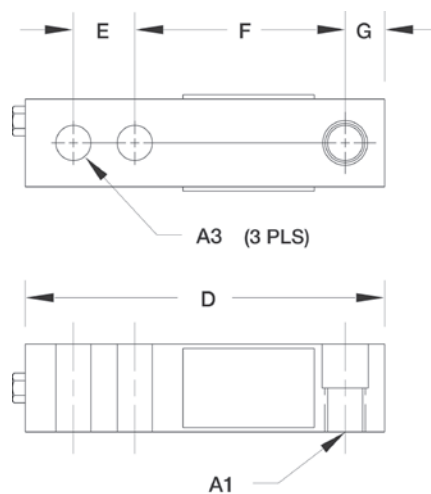


### Order Information

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

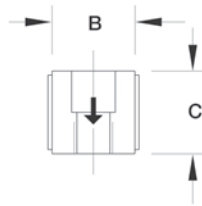
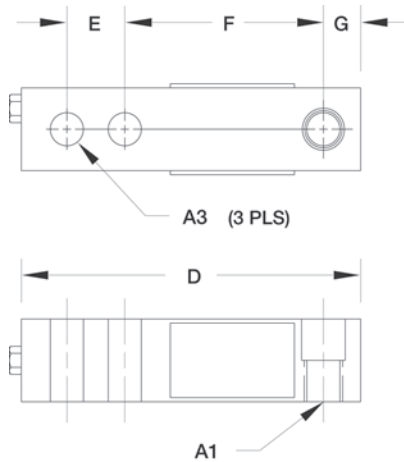


#### Order Information

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

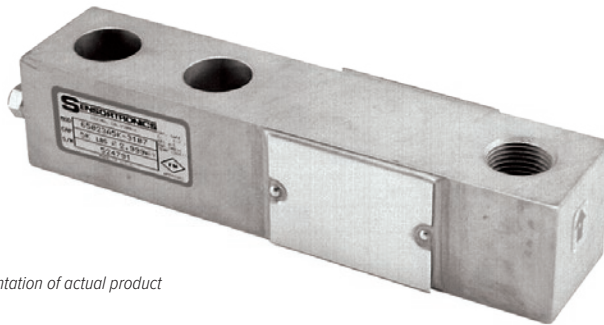
##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

#### Approvals



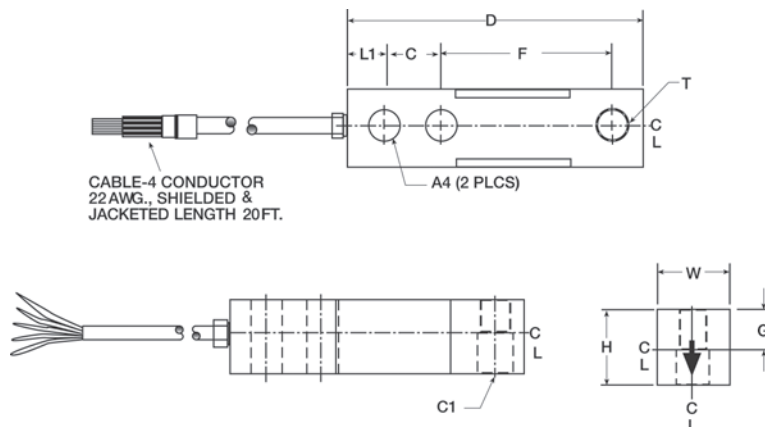
#### Order Information

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 191

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**.....page 31

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**.....page 42

#### 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 5,000SE lb: 0.017 to 0.025 in

5,000LE 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

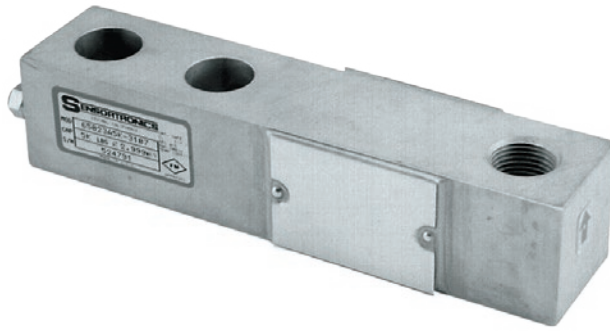
##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP



Picture is a representation of actual product

### Approvals

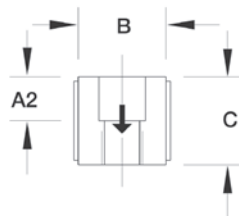
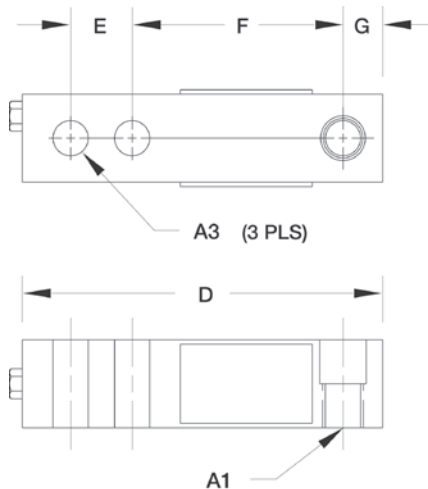


### Order Information

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 31

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 42

### 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:

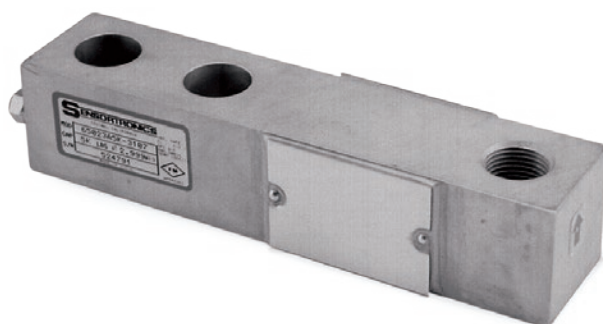
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus



Picture is a representation of actual product

### Approvals



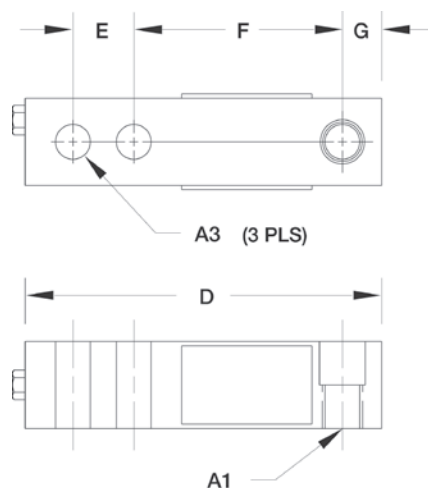
### Order Information

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 282

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 31

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series** ..... page 42

### 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

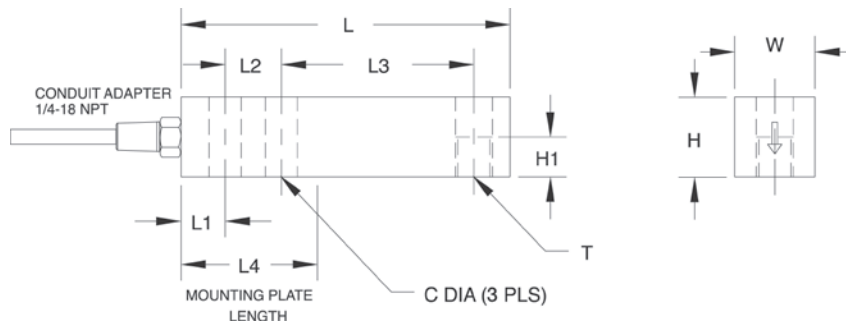


### Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	<b>17262</b>	3 lb	\$439.00
2,500 lb	<b>17263</b>	3 lb	\$439.00
4,000 lb	<b>17264</b>	3 lb	\$439.00
5,000 lb	<b>17265</b>	5 lb	\$439.00
10,000 lb	<b>17266</b>	5 lb	\$439.00

### 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 192

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL50210TA**..... page 31

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series** ..... page 42

### 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

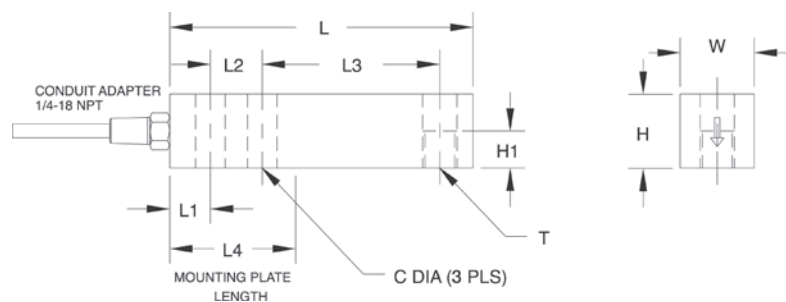
IP69K model

**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 31

RICE LAKE WEIGHING SYSTEMS

**RL1800 Series**..... page 42**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:**

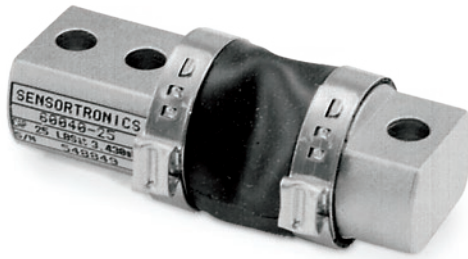
One-year limited

**Approvals:**

cFMus

NTEP





Picture is a representation of actual product

#### Approvals

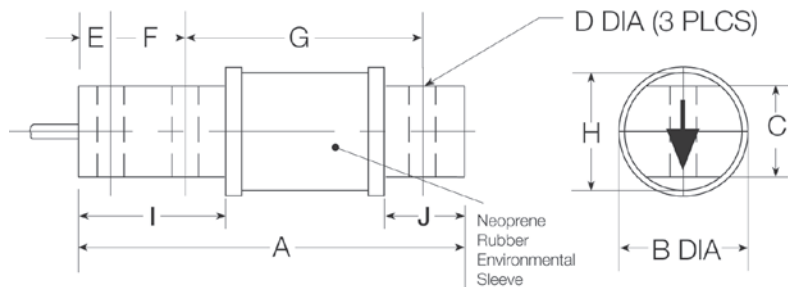


#### Order Information

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 119

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:

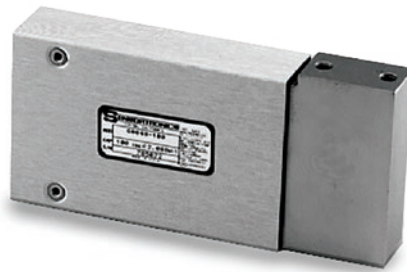
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

##### Warranty:

One-year limited

##### Approvals:

cFMus



Picture is a representation of actual product

## Approvals



## Order Information

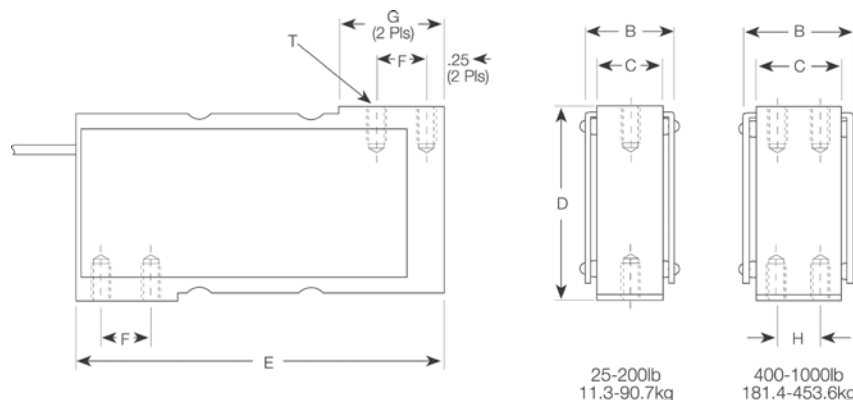
Load Rating		Part #	Est. Weight	Price
10 ft Cable				
50 lb		17421	4 lb	\$630.00
100 lb		17423	4 lb	\$630.00
200 lb		17425	4 lb	\$630.00
400 lb		17427	5 lb	\$673.00
500 lb		17429	5 lb	\$689.00
1,000 lb		17431	6 lb	\$736.00
25 ft Cable				
1,000 lb		17514	7 lb	\$779.00
Adapters				
Adapter kit	400 lb 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:

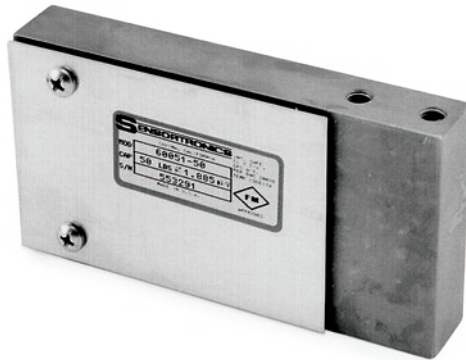
Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal

### Warranty:

One-year limited

### Approvals:

cFMus



Picture is a representation of actual product

### Approvals

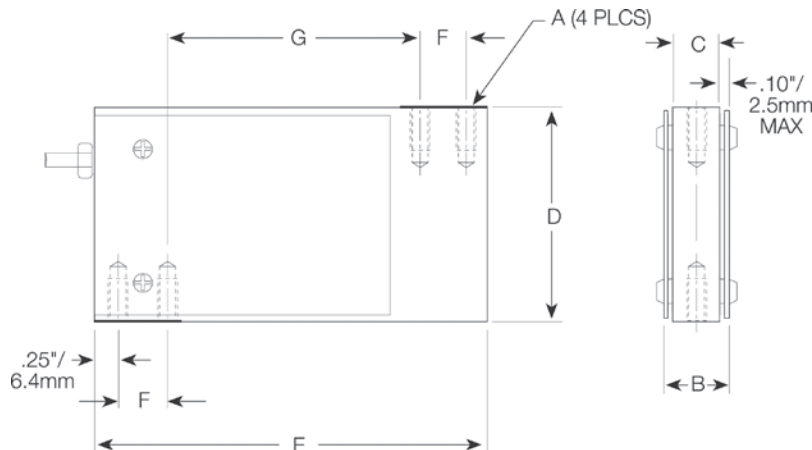


### Order Information

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

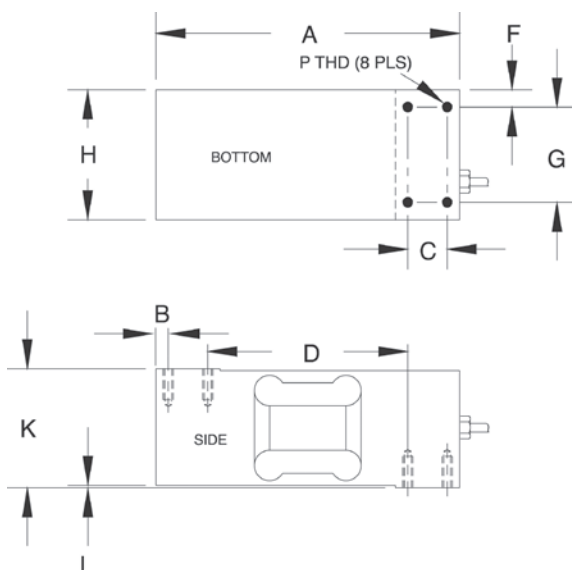


#### Order Information

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



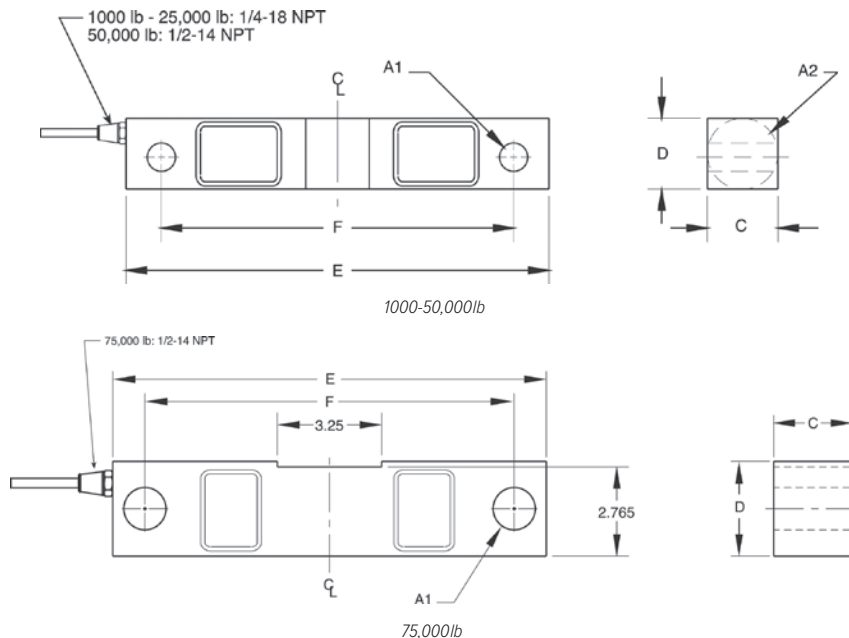
### Order Information

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 131

VPG® CELTRON

**DSR**.....page 195

VPG® REVERE

**5203**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1600 Series**...page 67 and page 69

### 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

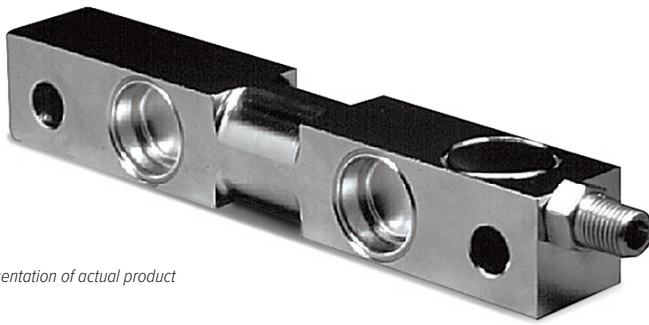
White -Signal

#### Warranty:

One-year limited

#### Approvals:

cFMus



Picture is a representation of actual product

## Approvals



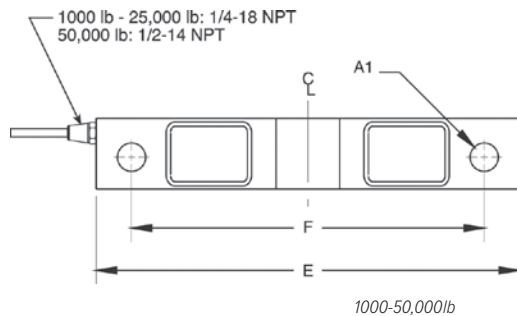
## Order Information

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

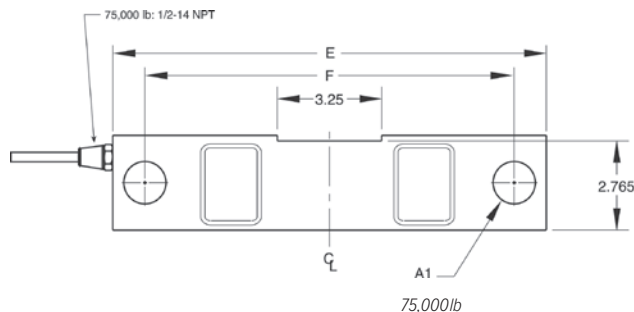
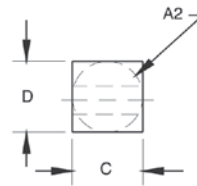
\*75,000lb capacity has a square center

## 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 135

VP® SENSORTRONICS

**65016WH**..... page 292

## Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1600 Series**...page 67 and page 69

## 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

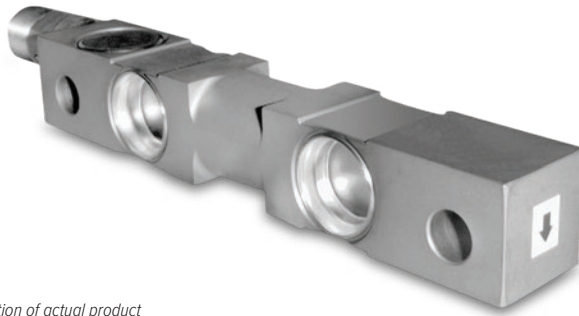
White -Signal

### Warranty:

One-year limited

### Approvals:

cFMus



Picture is a representation of actual product

### Approvals

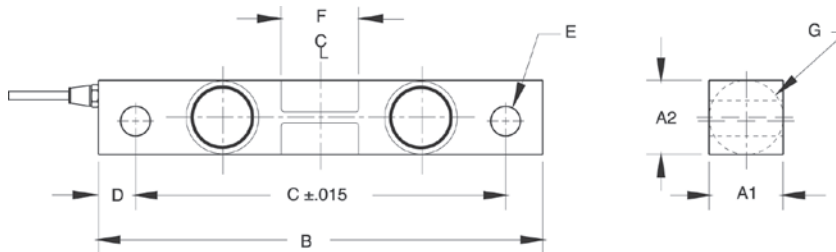


### Order Information

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 135
RICE LAKE WEIGHING SYSTEMS	
<b>RL75016SS*</b> .....	page 133
VPG® SENSORTRONICS	
<b>65016W*</b> .....	page 291

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
<b>RL1600 Series</b> ...	page 67 and page 69

\*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



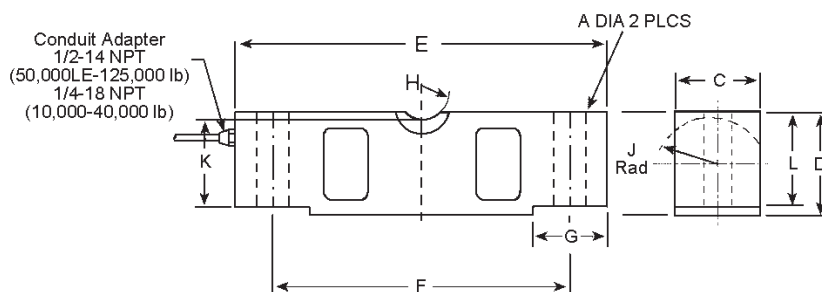
### Order Information

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 136

VPG® CELTRON

**CLB** ..... page 196

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL2100 HE** ..... page 26

RICE LAKE WEIGHING SYSTEMS

**MVS** ..... page 74

### 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

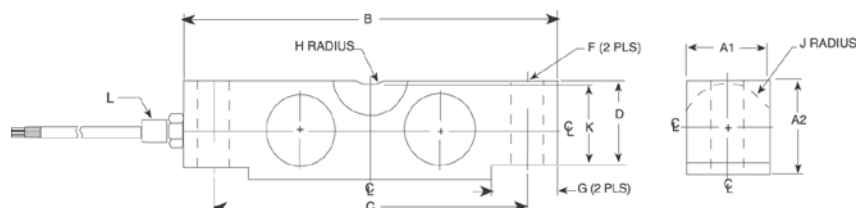


### Order Information

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	\$1,240.00

### 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 26

RICE LAKE WEIGHING SYSTEMS

**MVS**.....page 74

### 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

## Approvals



PN 154800 shown

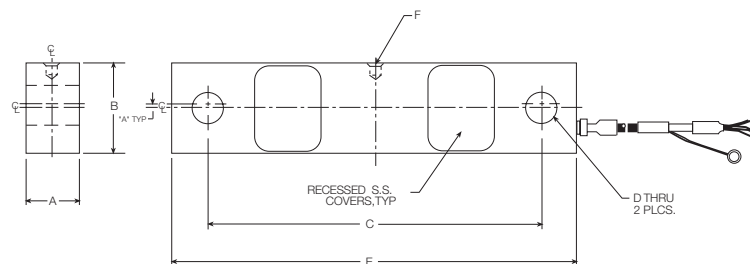
## Order Information

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

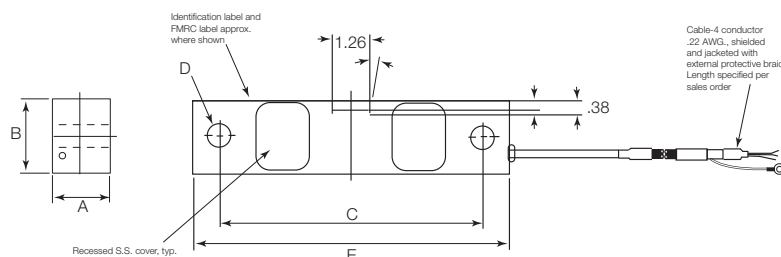
\*Counterbored hole for load button

## 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



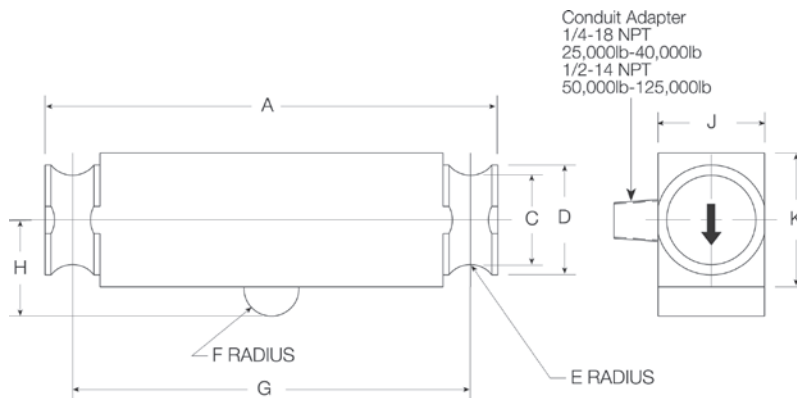
### Order Information

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 143

THURMAN®

**TSC 840**

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink™** ..... page 75

### 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

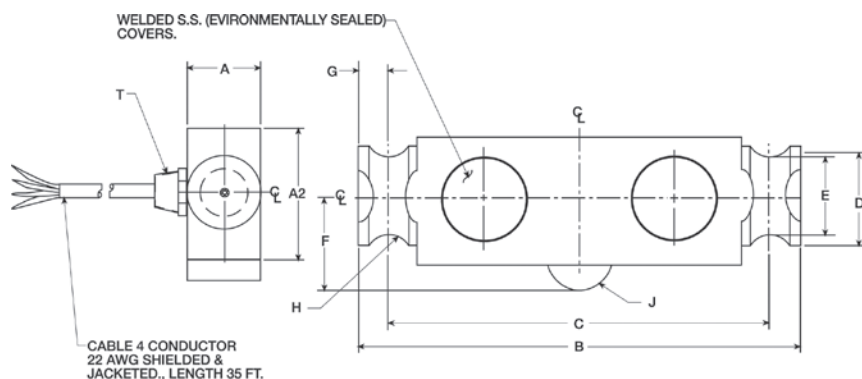


### Order Information

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 143

VPG® SENSORTRONICS

**65040A** ..... page 296

### 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

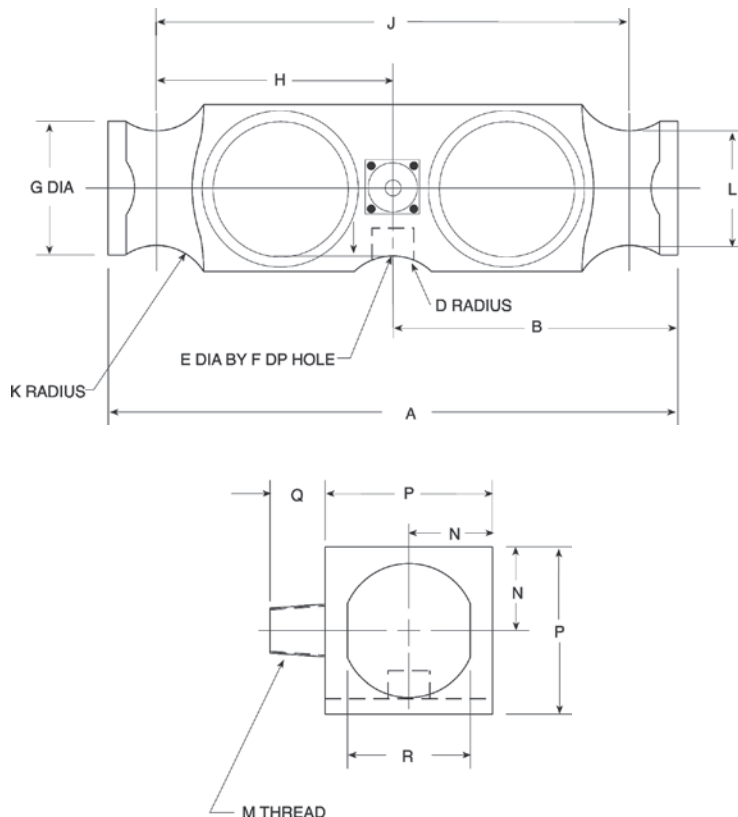


#### Order Information

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 141

VPG® REVERE

**5223** .....page 257

ARTECH®

**80210**

THURMAN®

**TSC 800**

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**Translink™** .....page 75

#### 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



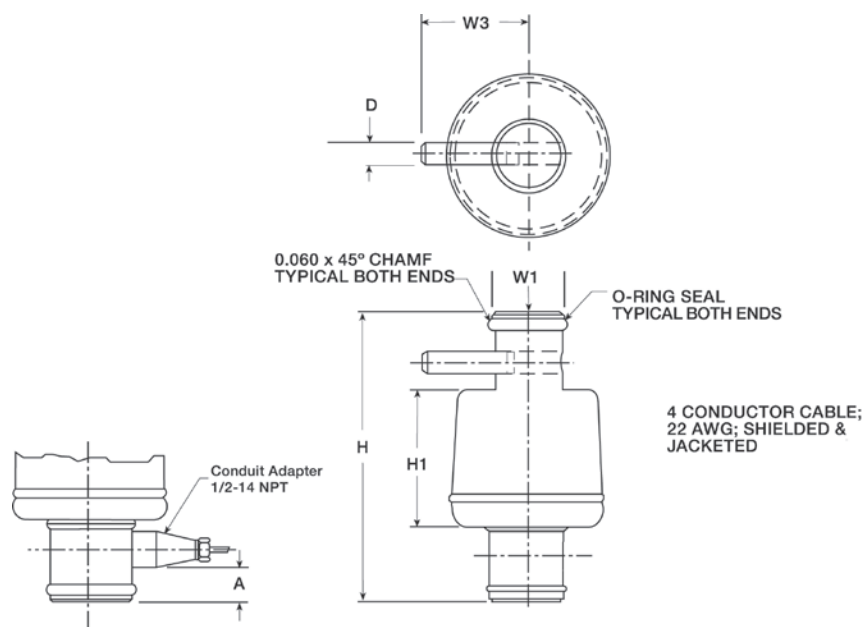
### Order Information

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 305

#### 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 306

#### 3411/3421, ALLOY STEEL AND STAINLESS STEEL



This family of high quality, single-ended beams is available in both alloy and stainless steel with NTEP Certification. These products are ideal for low-profile platforms, pallet truck weighers, tanks and silos. The durable stainless steel product offering is new and provides a solid choice for more demanding 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 307

#### 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 308

#### 3510-OIML, STAINLESS STEEL



This 3510 is a 6,000 division OIML-approved single-ended beam. Low profile and all-welded sealing combined with high accuracy makes the 3510 ideally suited for low-profile platforms, weigh modules, tanks and silos. Polyurethane shielded cable enables this load cell to function in harsh environments while maintaining its operating specifications. Capacities range from 500 to 5,000 kg.



Page 309

#### 355, STAINLESS STEEL



Welded stainless steel construction, welded sealing and polyurethane shielded cable enables the 355 to 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 to 500 kg.



### SINGLE POINT

Page 310

#### 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 311

#### 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 312

### 1030, ALUMINUM



This high-performance product is the standard in many of today's postal or price computing scales. This very low profile, three-beam single point load cell is insensitive to off-center loads, which is a critical element in providing accurate results. The 1030 is also 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 to 10 kg, and comes with 1 m of load cell cable.



Page 313

### 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 314

### 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 315

### 1130, STAINLESS STEEL



The 1130 is a stainless steel, single-point load cell that is 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 to 100 kg and is provided complete with 1.5 m, 3 m or 25 ft of load cell cable.



Page 316

### 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 317

### 1240, STAINLESS STEEL



The 1240 is a low-profile single point load cell that is compact in design, considering the 200 and 250 kg capacity range. This cell is 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 10 ft of load cell cable.



## SINGLE POINTS

### Page 318

### 1142, STAINLESS STEEL



Its small physical size, combined with high accuracy and low cost make the 1142 the perfect selection for new or retrofit scales. Stainless steel construction along with a humidity-resistant protective coating helps ensure stable operation in damp environments. The 1142 is NTEP Certified and is available with OIML approval. It comes with 10 ft of load cell cable. Capacities range from 10 to 150 kg.



### Page 319

### 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 320

### 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 321

### 1263, ALUMINUM



The rugged construction of the 1263 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. It is constructed of high quality aluminum and comes standard with 1.5 meters of load cell cable. The 1263 is available in capacities from 50 to 635 kg and is OIML approved.



### Page 322

### 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 323

### 1320, ALUMINUM



Model 1320 is a high capacity single-point load cell. Direct mounting of low-profile platforms simplifies the construction of floor scales, weigh bars, hanging scales and other types of weighing devices. Individually adjusted to eliminate corner errors. Capacities range from 1,000 to 2,000 kg.



Page 324

## 1510, STAINLESS STEEL



The 1510 is a stainless steel, welded-seal cell ideally suited for washdown applications. Capacities range from 100 to 500 kg.



Page 325

## 240, ALLOY STEEL/STAINLESS STEEL, FLUID DAMPED



These load cells decrease weighing time and improve weighing accuracy in high-speed weighing applications. Since damping also protects the cells from shock and vibration, the load cell can endure harsh conditions, such as those encountered in repeated shock-loading applications. This also enables damped load cells to last longer than undamped load cells in any application. The cells are sealed, protecting them in washdown situations. Capacities range from 2 to 50 kg.



Page 326

## 9010, ALUMINUM, FLUID DAMPED



Model 9010 is 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 to 50 kg.



PLANAR BEAM

Page 327

## 380, ALUMINUM



Model 380 is a very low profile planar beam design, allowing direct mounting in low profile platform scales. The range of capacities and low profile makes model 380 most suitable for use in applications with space constraints.



COMPRESSION CANISTER

Page 328

## 220, STAINLESS STEEL



Model 220 is a low profile, bending ring load cell designed for high capacity weighing applications, including weighbridges, tanks, silos, high capacity platform scales and force measurement. OIML approved.



Page 329

## 120, STAINLESS STEEL



The model 120 is a stainless steel, welded-seal canister offered in capacities from 20,000 to 50,000 kg and includes load cup and load pin.

Page 330

## VPG® TEDEA-HUNTLEIGH MODEL 9010 APPLICATION DEFINITION FORM



Picture is a representation of actual product

#### Approvals



Available  
upon  
request

Available  
upon  
request

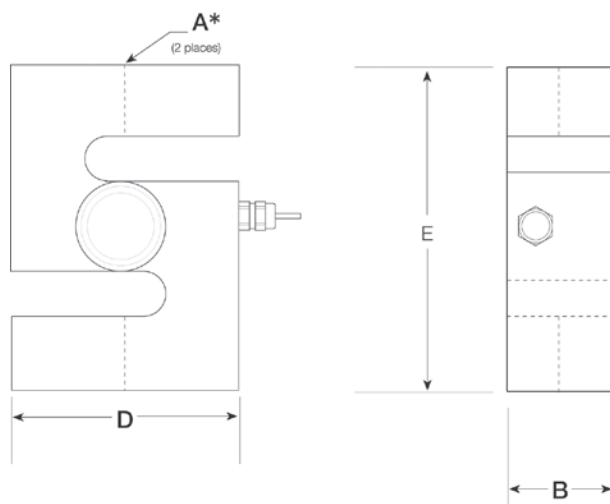
#### Order Information

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 28

#### 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

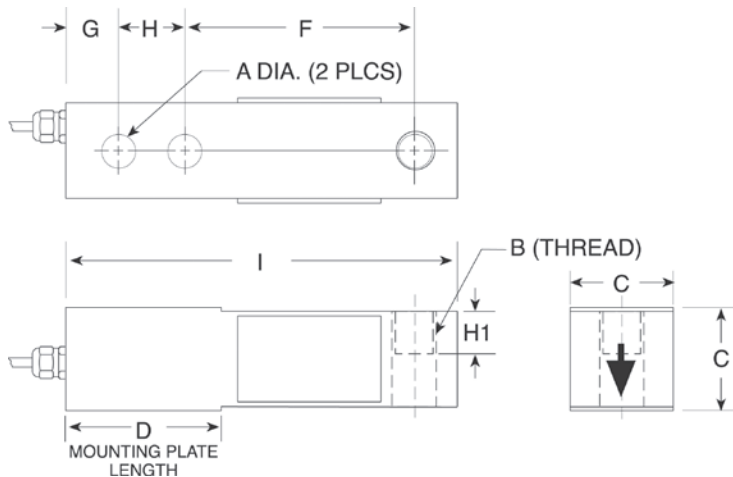
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upon  
request

#### 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	\$397.00
<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 108

RICE LAKE WEIGHING SYSTEMS  
**RL39123\*** .....page 111

VPG® REVERE  
**5123** ..... page 246

VPG® REVERE  
**9123\*** .....page 247

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
**RL50210TA** ..... page 31

RICE LAKE WEIGHING SYSTEMS  
**RL1800 Series** ..... page 42

\*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

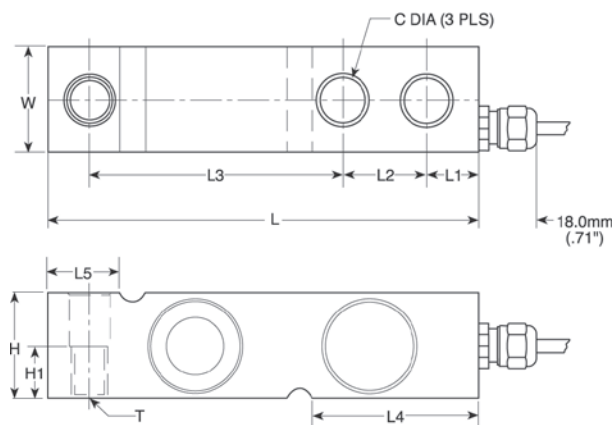


#### Order Information

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 284

VPG® CELTRON

**SQB-HSS**..... page 192

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1700 HE**..... page 23

#### 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



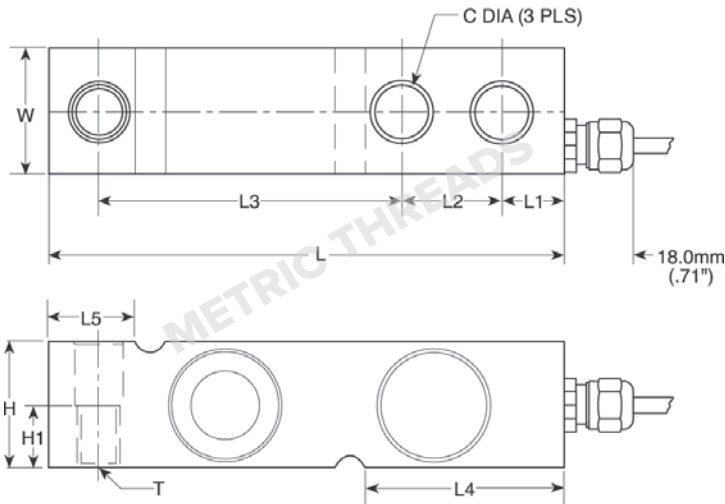
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upon  
request

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 115

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS  
RL1700 HE ..... page 23

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

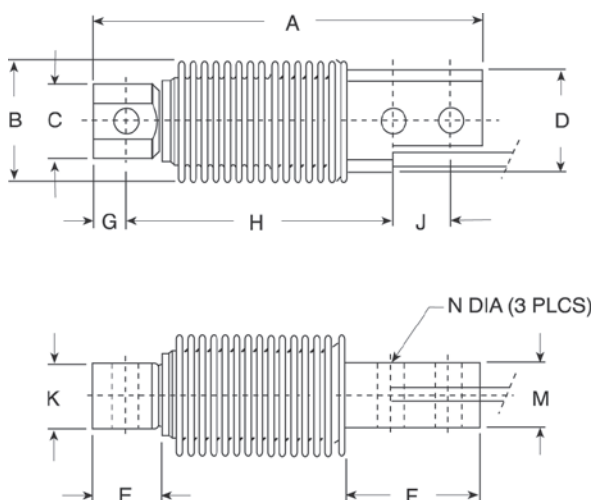
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upon  
request

#### 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 107

RICE LAKE WEIGHING SYSTEMS

**RLHBB**

VP® REVERE

**SHB** ..... page 253

HBM®

**Z6** ..... page 226

#### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**RL1700 HE** ..... page 23

#### 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



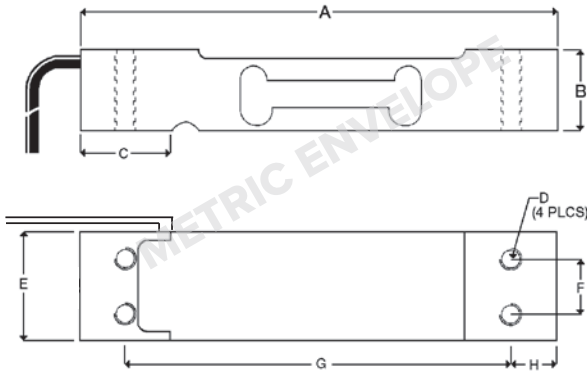
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Order Information

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

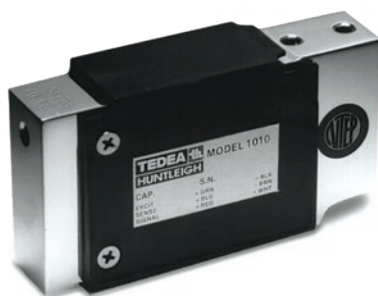


Interchangeable Products

RICE LAKE WEIGHING SYSTEMS	
RL1521A.....	page 156
VPG® CELTRON	
LPS.....	page 197
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 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
Cable Length:	10 ft 1.5 ft
Cable Diameter:	0.140 in PVC jacket
Cable Color Code:	Green +Excitation Black -Excitation Red +Signal White -Signal
Platform Size:	13.78 × 13.78 in
Warranty:	One-year limited
Approvals:	cFmus NTEP OIML 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) 1/4-20 UNC x 13 DP (1015) M6 Metric	7.5	19.1	25.4	33.5

#### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1010..... page 157

#### 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

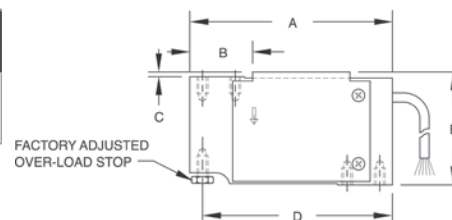
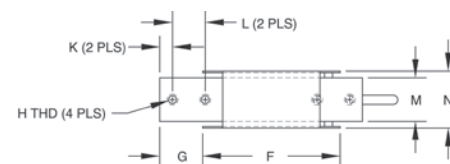
##### Warranty:

One-year limited

##### Approvals:

cFMus

NTEP





Picture is a representation of actual product

#### Approvals

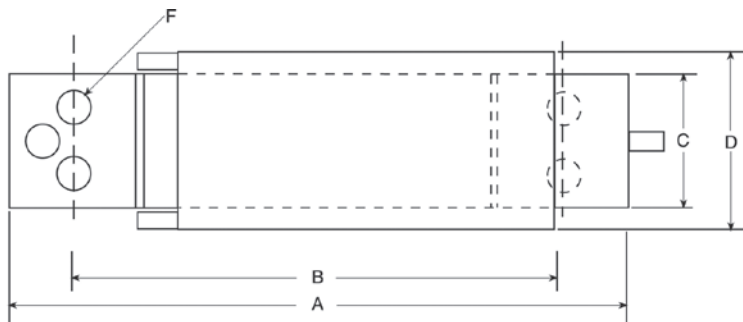


#### Order Information

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:

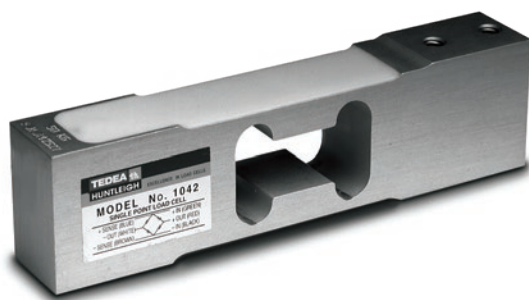
13.78 × 13.78 in

##### Warranty:

One-year limited

##### Approvals:

cFMus  
OIML



Picture is a representation of actual product

#### Approvals



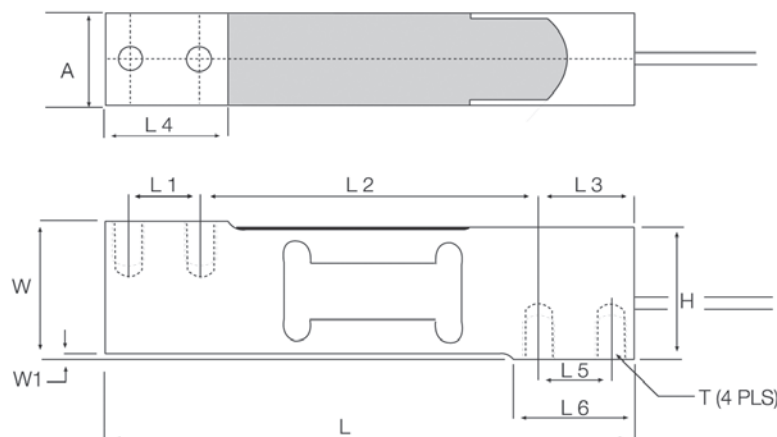
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upon  
request

#### 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 161

RICE LAKE WEIGHING SYSTEMS

RL42018A.....page 170

#### 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

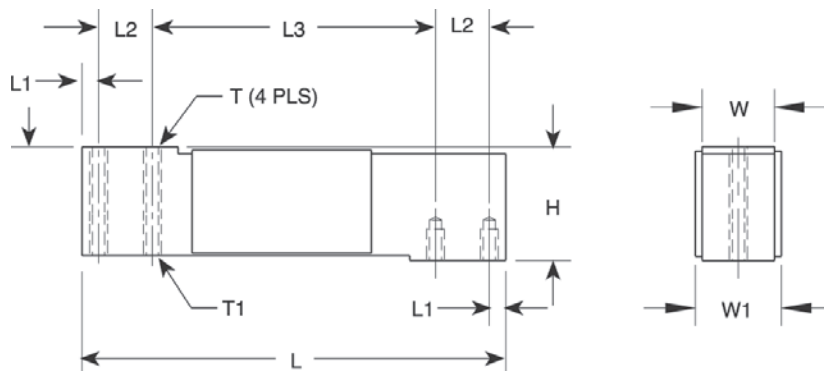
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upon  
request

### 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 162

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:

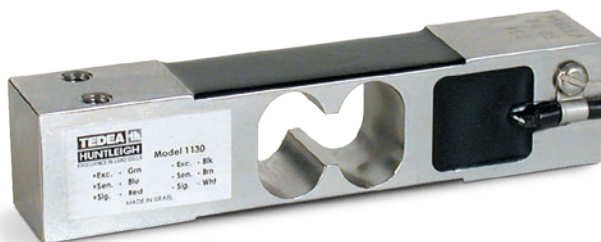
15.75 × 15.75 in

#### Warranty:

One-year limited

#### Approvals:

cFmus  
NTEP  
Ex (Available upon request)  
OIML (Available upon request)



Picture is a representation of actual product

#### Approvals



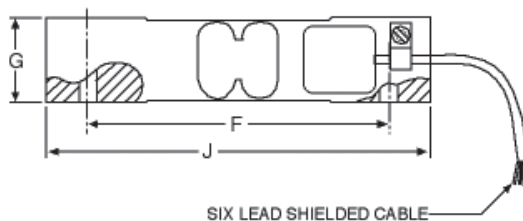
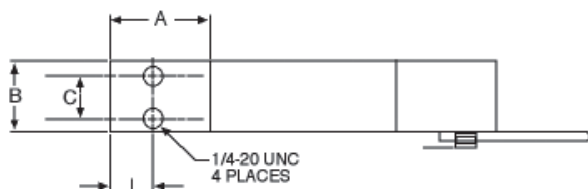
#### Order Information

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



Picture is a representation of actual product

#### Approvals

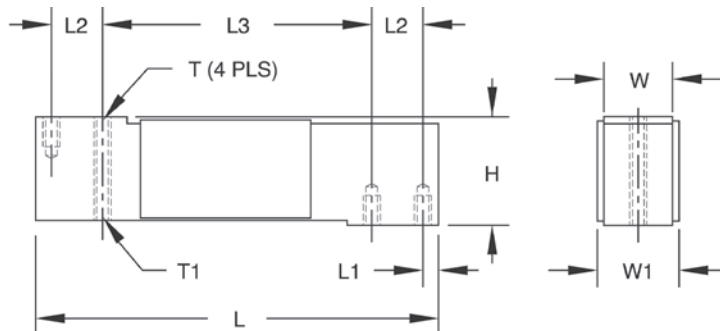


#### Order Information

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 163

#### 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:

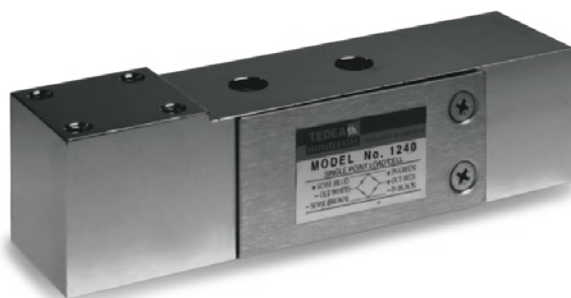
15.75 × 15.75 in

##### Warranty:

One-year limited

##### Approvals:

cFMus



Picture is a representation of actual product

## Approvals

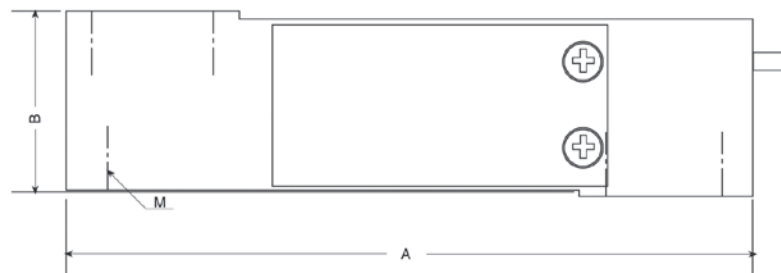
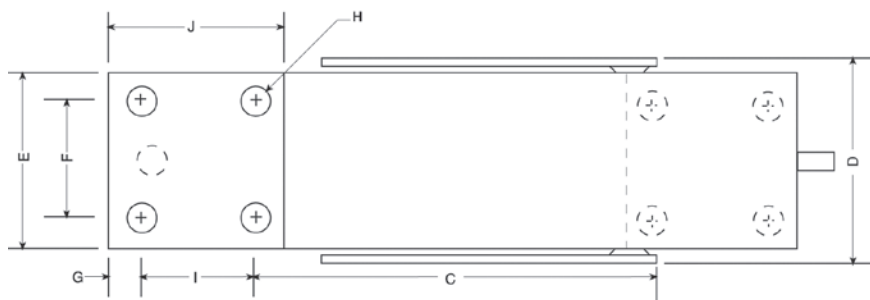


## Order Information

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:

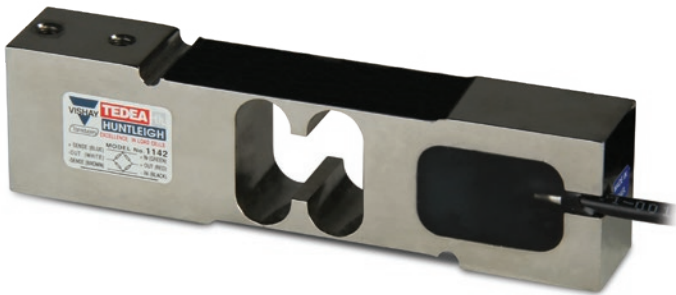
15.5 x 15.5 in

### Warranty:

One-year limited

### Approvals:

cFMus



Picture is a representation of actual product

Approvals



Available upon request

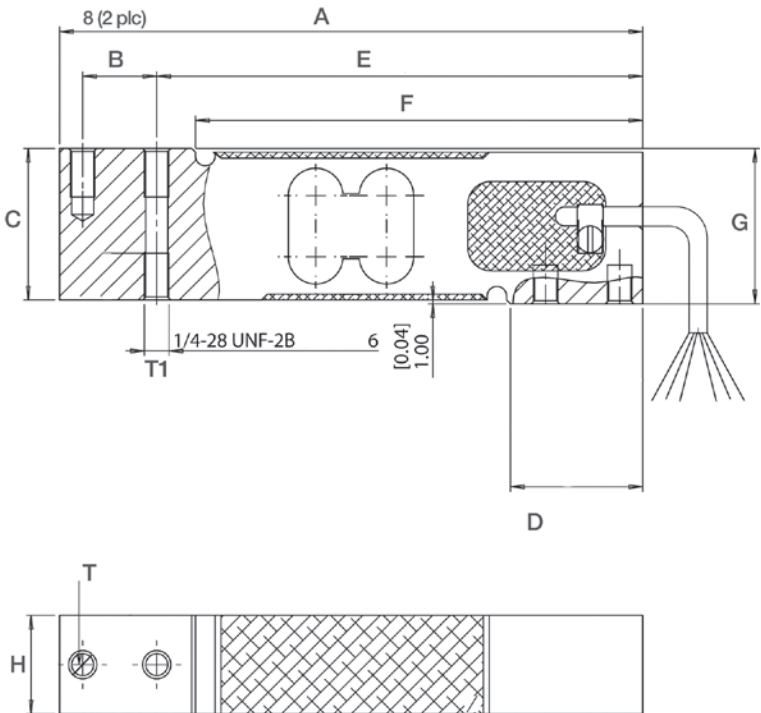
Order Information

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 154

HBM®\*

PW15.....page 229

\*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:

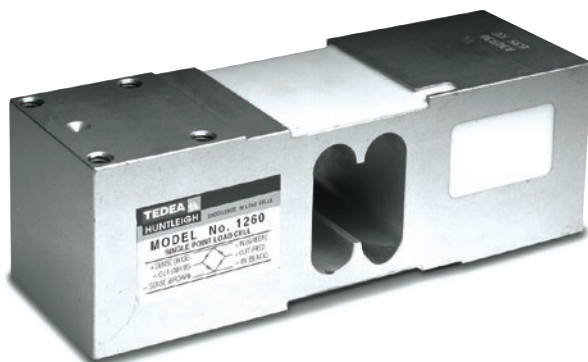
One-year limited

Approvals:

cFMus

NTEP

OIML (Available upon request)



Picture is a representation of actual product

### Approvals



Available  
upon  
request

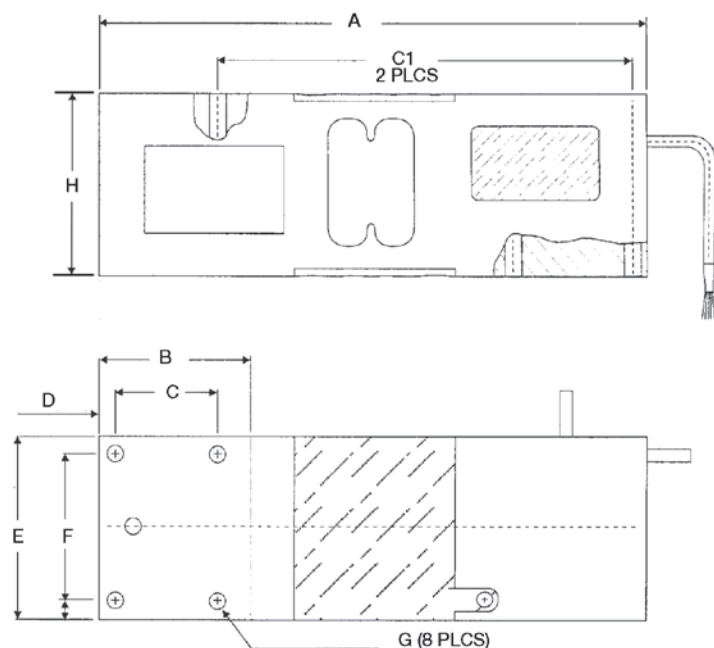
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upon  
request

### 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 166

RICE LAKE WEIGHING SYSTEMS

**RLPWM16** ..... page 160

VPG® TEDEA-HUNTLEIGH

**1260S** ..... page 320

### 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

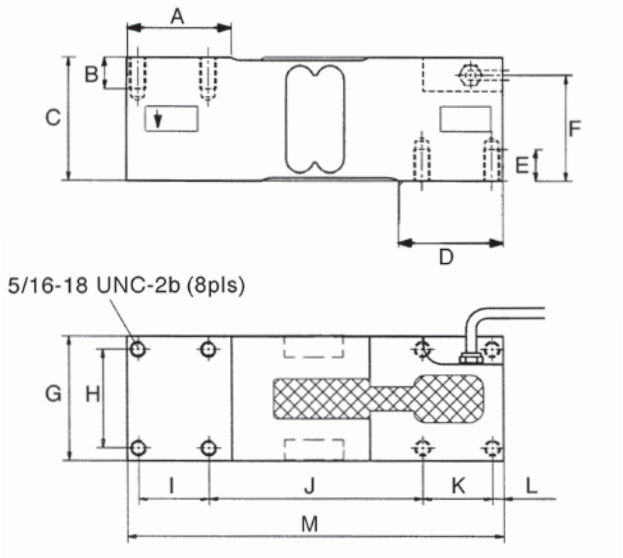


Order Information

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



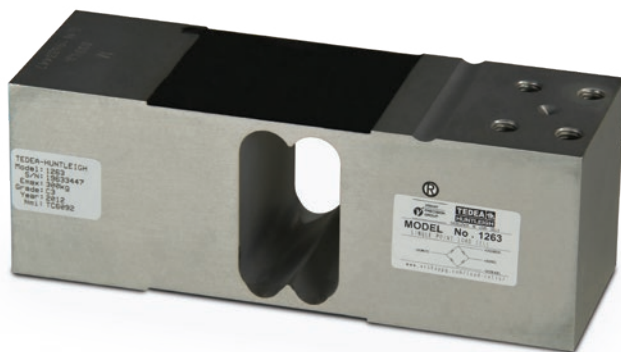
Interchangeable Products

RICE LAKE WEIGHING SYSTEMS	
RL1260 .....	page 166
RICE LAKE WEIGHING SYSTEMS	
RL26018A .....	page 168
VPG® TEDEA-HUNTLEIGH	
1260 .....	page 319

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



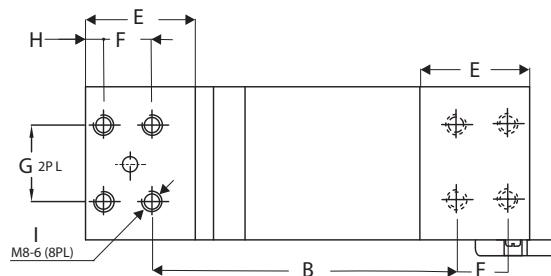
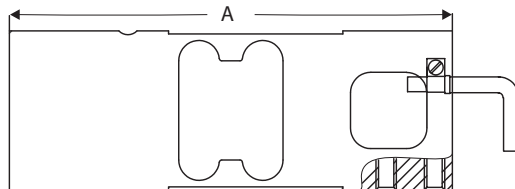
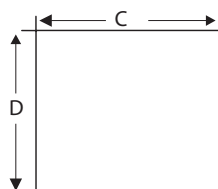
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upon  
request

#### 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

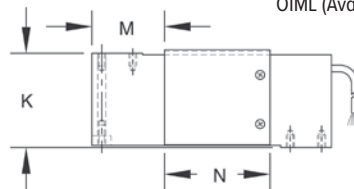
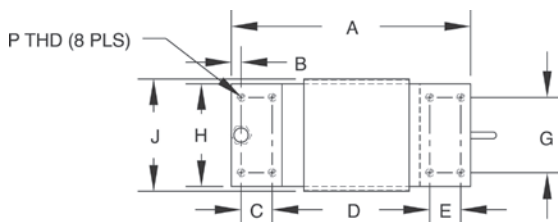
Available  
upon  
request

### 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 × 15 DP



### Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

**RL1218A**.....page 169

RICE LAKE WEIGHING SYSTEMS

**RL1250**

FLINTEC®

**PCB\***.....page 215

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

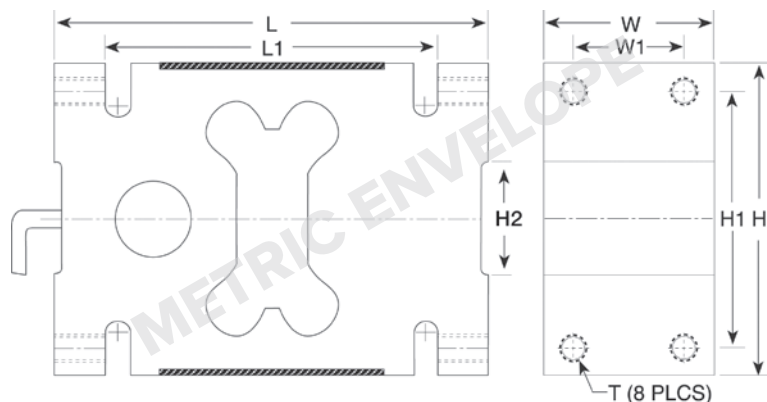
Available  
upon  
request

#### 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



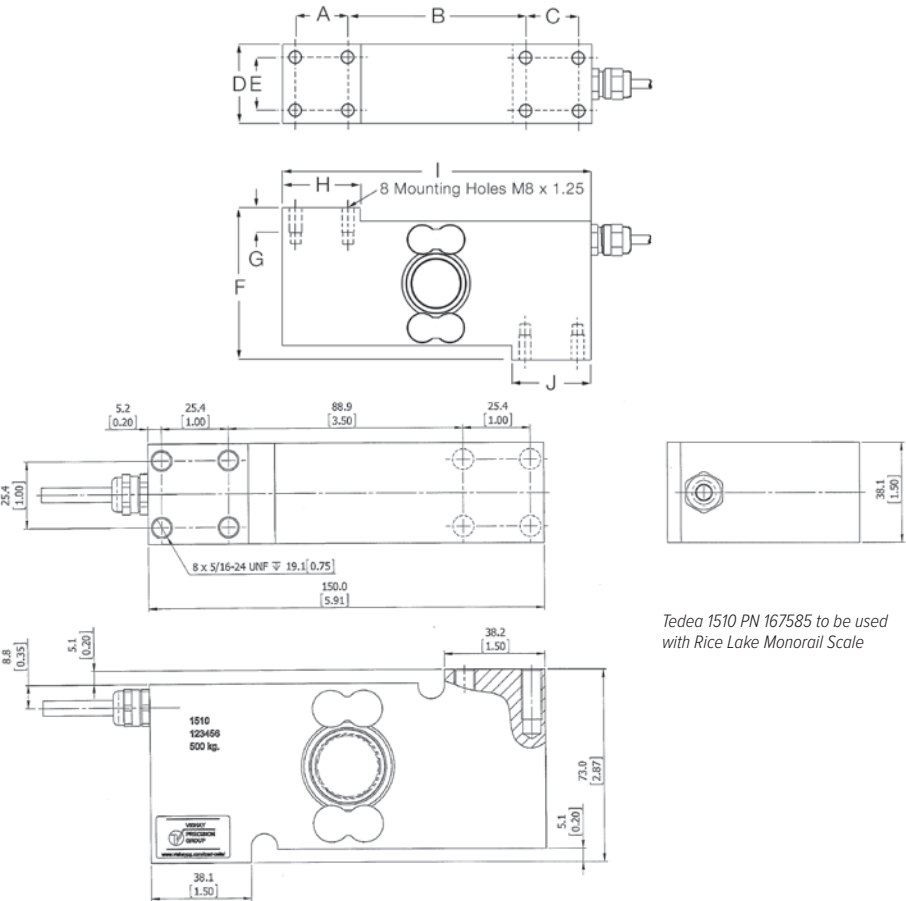
Order Information

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

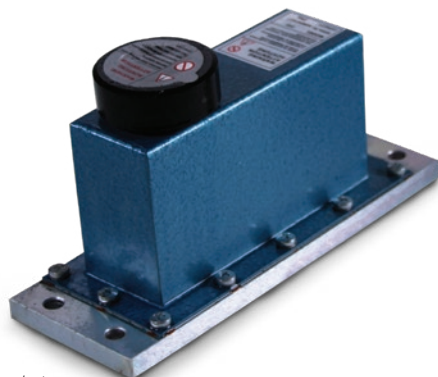


Tede 1510 PN 167585 to be used with Rice Lake Monorail Scale

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

Fluid Damped Alloy Steel/Stainless, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP66



Picture is a representation of actual product

## Approvals

Available  
upon  
request

## Order Information

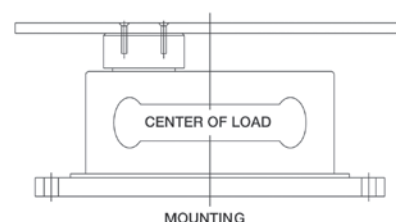
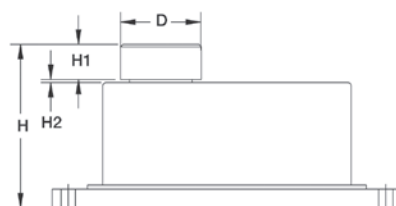
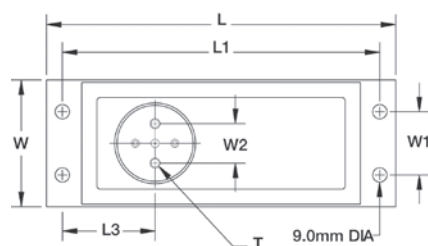
Load Rating	Part #	Est. Weight	Price
<b>Stainless Steel</b>			
2 kg*	17567	8 lb	\$875.00
5 kg	17568	8 lb	\$875.00
7 kg	17569	8 lb	\$875.00
10 kg	17570	8 lb	\$875.00
15 kg	17571	8 lb	\$875.00
20 kg	17572	8 lb	\$875.00
30 kg	17573	8 lb	\$875.00
50 kg	17574	8 lb	\$875.00
<b>Alloy Steel</b>			
2 kg*	17559	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 167

\*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

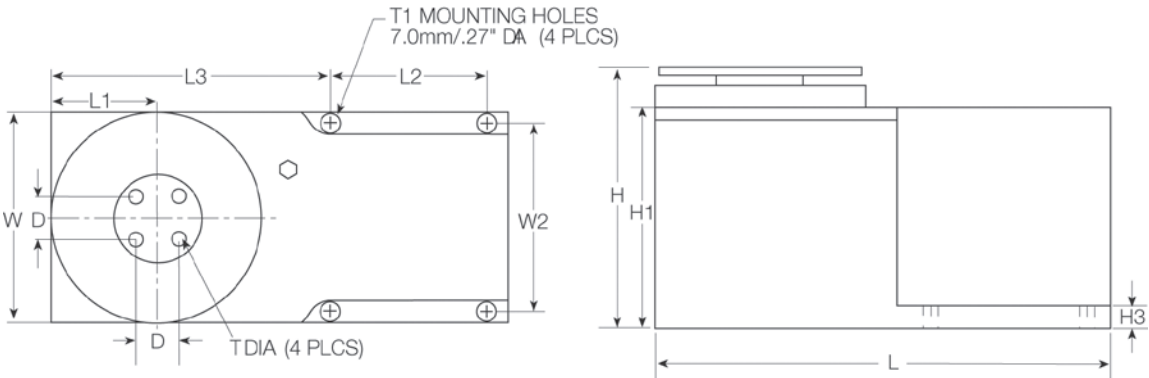
Note: The special fluid damped operation is particularly well-suited for applications where quick weighment is required, e.g., checkweighers

9010 load cells are custom-manufactured per specific application requirements; use the Application Definition Form on page 330 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

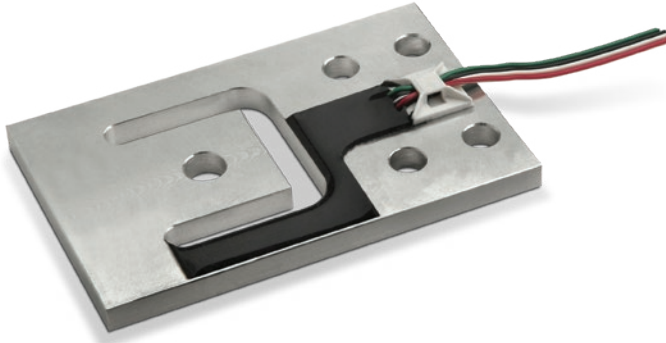
Dimensions

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



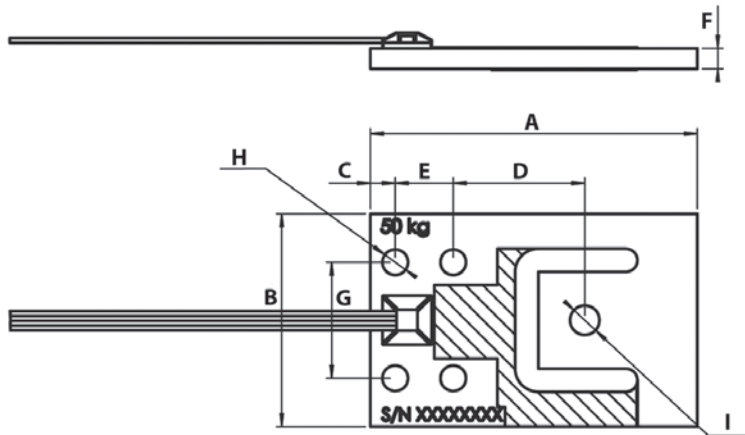
Available  
upon  
request

#### 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

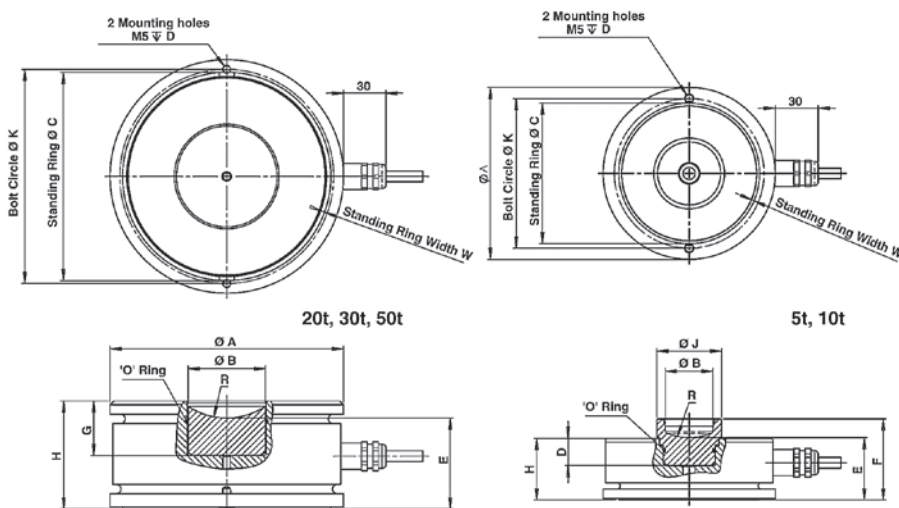


### Order Information

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 37

### 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



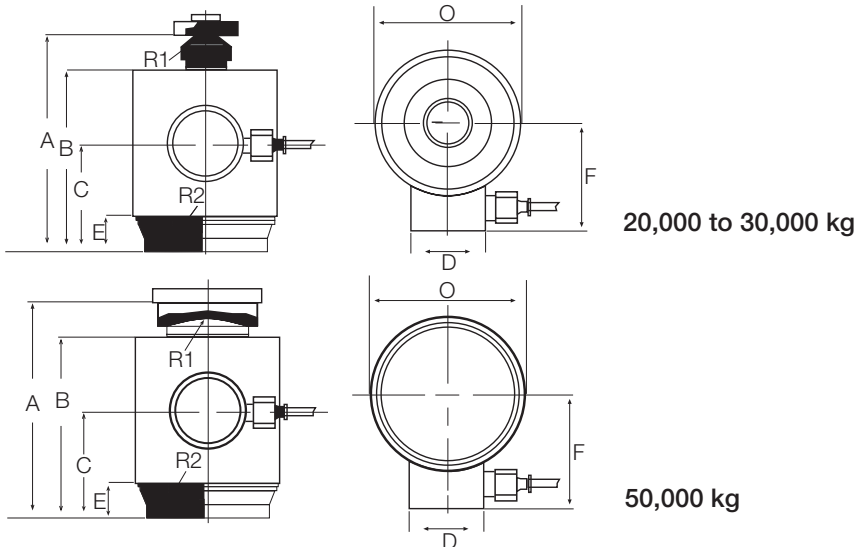
Picture is a representation of actual product

## Order Information

Load Rating	Part #	Est. Weight	Price
20,000 kg	<b>169233</b>	10 lb	\$662.00
30,000 kg	<b>169234</b>	10 lb	\$662.00
50,000 kg	<b>169235</b>	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 \_\_\_\_\_

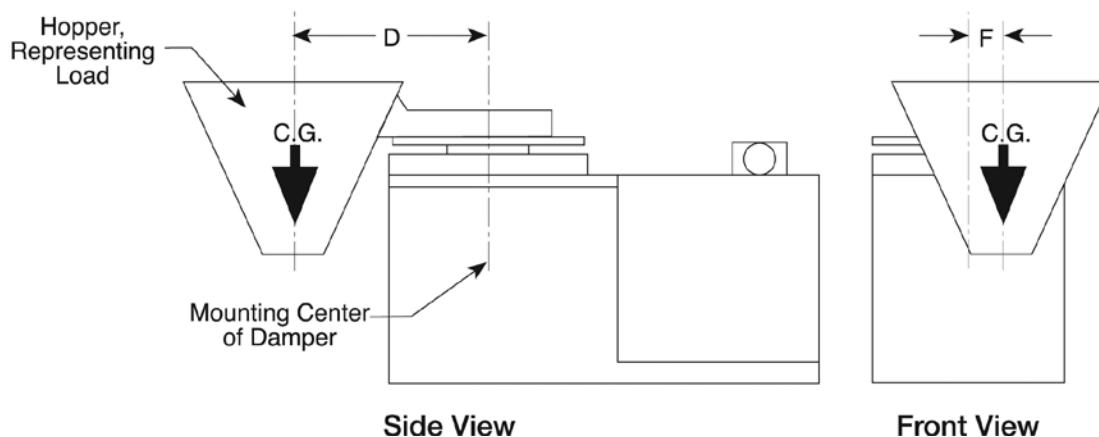
Loading position (cm): D \_\_\_\_\_ F \_\_\_\_\_ Drop height (cm) \_\_\_\_\_

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: \_\_\_\_\_



## Standard Features

- Internally gauged load pin
- Idler sheave or dead end pin preferred location
- Minimum 5:1 safety factor
- 17-4 stainless steel construction
- $\pm 1\%$  to 3% accuracy of hoist capacity
- $-40^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  standard operating temperature (other temperature compensated ranges available)

(Contact MSI for application consultation)

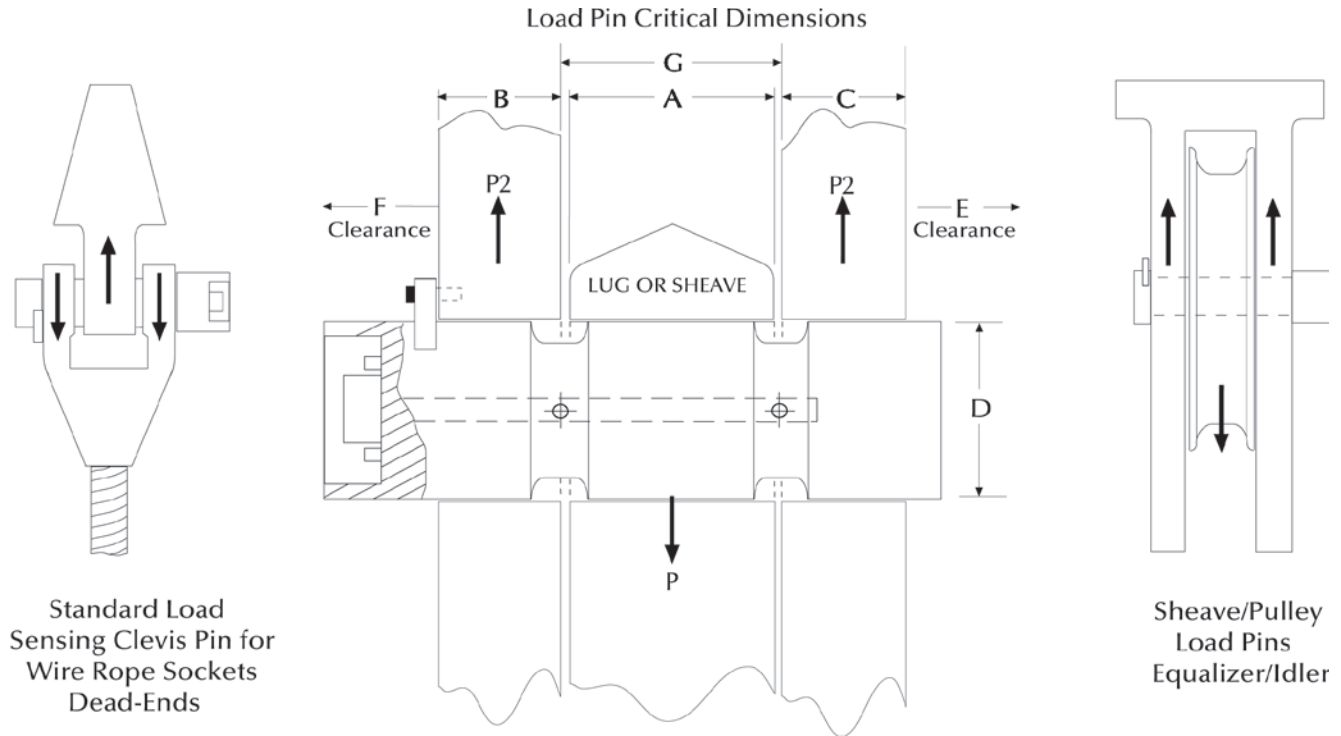
A key component for MSI's integrated overhead weighing solutions is the Load Pin Sensor. Typically designed and manufactured specifically to each integrated solution, the MSI load pin is strictly industrial grade. Each load pin design is precision machined from 17-4 stainless steel for safety, strength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

- 4340 steel construction
- Mil spec connector
- 7:1 safety factor

## 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

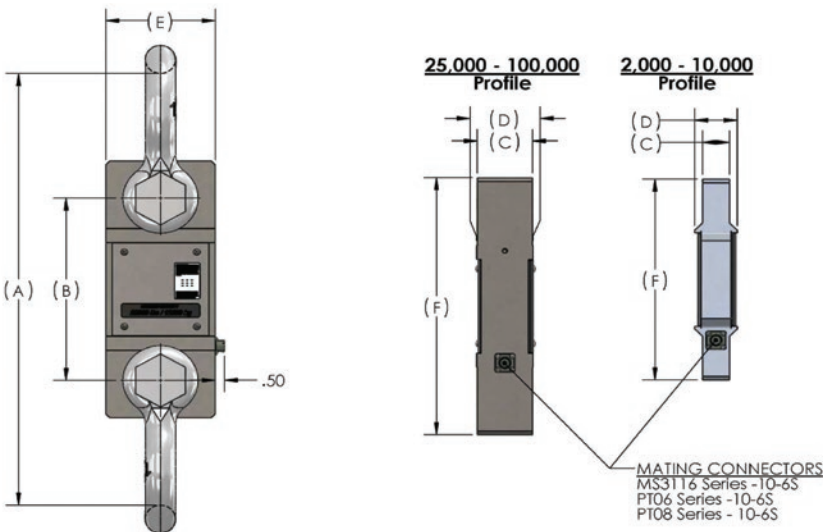
## Part Number/Price

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

- ETD 150 construction
- Accommodates up to 3/4 in wire rope size
- Larger diameter clamp-on available - call for pricing

## 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

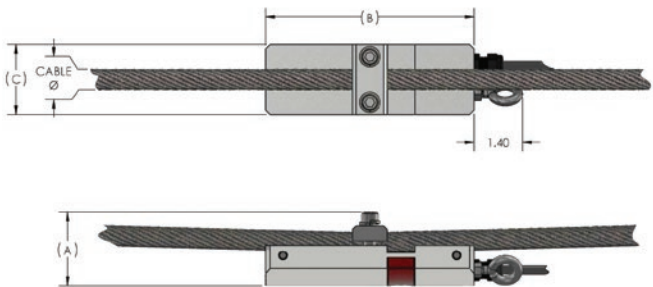
Part #	Description	Price
<b>179080</b>	Load Cell Assembly Clamp-On for 3/8 to 1/2 in wire rope	\$750.00
<b>179082</b>	Load Cell Assembly Clamp-On for 9/16 to 3/4 in wire rope	\$890.00
<b>188816</b>	Kit with SCT-2200 for 3/8 to 1/2 in wire rope	\$1,330.00
<b>188817</b>	Kit with SCT-2200 for 9/16 to 3/4 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	<b>179080</b>	Cable + 1.70	6.00	2.00
9/16 to 3/4	<b>179082</b>	Cable + 1.67	6.00	2.00

\*8mm cable can be used with PN 179080



Optional SCT-2200 transmitter

RICE LAKE  
LOAD CELLS



# Hardware and Accessories

## TABLE OF CONTENTS

Load Cell Mounting	
Hardware Safety Guidelines .....	332
Mounting Assembly	
Component Identification .....	333
Jam Nuts .....	333
Eye Nuts .....	334
Clevis Mount Assemblies .....	334
Coupling Nuts .....	334
Load Cell Eye Bolts .....	335
Rod End Ball Joints .....	336
Connecting Links .....	336
Load Cell Isolators .....	337
Threaded Adaptors .....	337
Grounding Strap .....	339
Ball Bearings .....	339
Load Receiver Plate .....	339
Load Cups .....	339
Wire Rope Assemblies .....	340
Cardinal® Wire Rope Assemblies .....	340
Custom Wire Ropes .....	340
Custom Wire Rope Definition Form .....	341
Spherical Washer Sets .....	342
Load Cell Spacers .....	342
Load Button .....	342
Weldless End Links .....	342
Load Button Insert Kit .....	343
Flintec™ Adjustable Rubber Foot .....	343
Bench Scale Feet .....	343
Surefoot® .....	343
Polyurethane Rubber Leveling Feet .....	344
Captured Ball Floor Scale Leveling Feet .....	344
Leveling Mount .....	345
Leveling Pads .....	345
Leveling Pad Stems .....	345
RoughDeck® Scale Base .....	346
Summit® 3000 Scale Base .....	346

Floor Scale Base .....	346
Complete Custom Cable Services .....	347
EL147, 6 Wire .....	348
<i>Standard Load Cell Cable</i>	
EL147RP Plus, 6 Wire .....	348
<i>Rodent Protection Load Cell Cable</i>	
EL147HE, 6 Wire .....	349
<i>Hostile Environment Load Cell Cable</i>	
EL147IS, 6 Wire .....	349
<i>Hazardous Environment Blue Jacket Load Cell Cable</i>	
EL146, 4 Wire .....	350
<i>Standard Load Cell Cable</i>	
EL146HE, 4 Wire .....	350
<i>Hostile Environment Load Cell Cable</i>	
Fiber-Optic Cable .....	351
EL144 Communications Cable .....	351
BCD Cable .....	351
SURVIVOR® EL620HE .....	352
<i>High Temperature Cable</i>	
EL148HE Mettler Toledo® .....	352
<i>Replacement Power Cell Cable</i>	
Mettler Toledo® Power Cell® .....	352
<i>Homerun Cable</i>	
SURVIVOR® Cable Armor .....	352
Cord Grip Assemblies .....	353
EL214 Cable Splicing Kit .....	353
Load Cell Conduit Adaptors .....	353
EL214T Cable Splicing Kit .....	354
EL215 Cable Splicing Kit .....	354
Flintec™ Load Cell Cable .....	354
<i>Replacement Kits</i>	
Five-Position Connectors, Shell Plugs, Receptacles .....	355
Seven-Position Connectors, Shell Plugs, Receptacles .....	355
Six-Position Connectors, Shell Plugs, Receptacles .....	355
T-Grip Molding .....	356
T-Strip Molding .....	356
Electronic Scale Tickets .....	357
Mechanical Scale Tickets .....	358

*Create Your Own Custom Ticket*

Printer Dust Covers .....	358
Printer Cables .....	359
Static Brushes .....	360
Ionizing Strips .....	360
Desiccants .....	360
Crimper and Lead Seals .....	360
Ionizing Strip Accessories .....	360
Industrial Corrosion Inhibitor .....	360
Static Control Table Mat and Floor Mat .....	361
Static Control Wrist Strap .....	361
Static Shielding Bags .....	361
Static-Safe Service Kit .....	361
Rice Lake's Scale Technician Kits .....	362

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# 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.

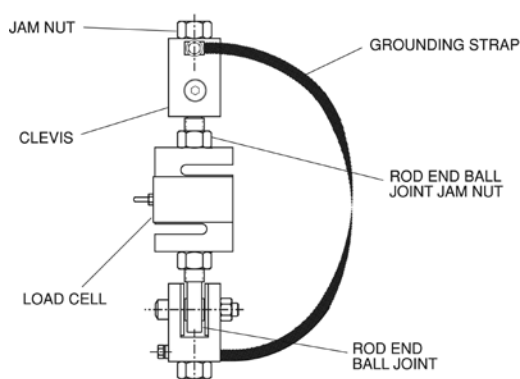
## 10. Hopper Scales: Guarding Against Contamination

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.

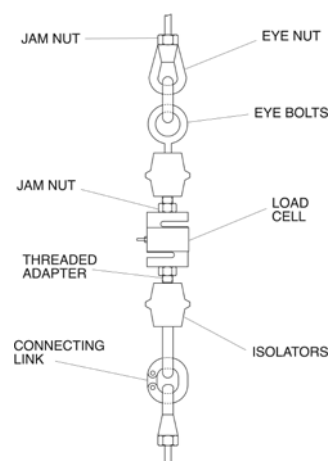
## 11. Selecting Steel Rod or Any Other Weight-Bearing Components

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



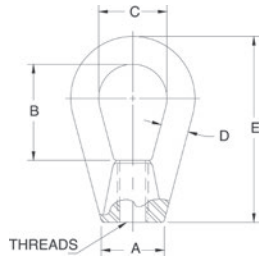
### Standard Features

- 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

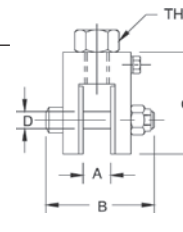
\*Do not exceed the safe load

## Clevis Mount Assemblies

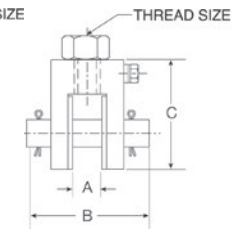


### Standard Features

- 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



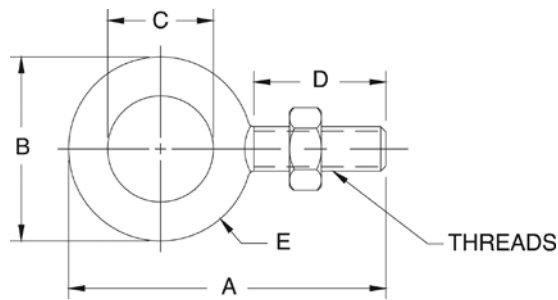
Clevis Mount with pin

### 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	\$83.00
17793	0.52 in	2.38 in	1.94 in	0.38 in	1/2-13 UNC	300 lb	\$83.00
17783	0.39 in	1.81 in	1.69 in	0.25 in	1/2-13 UNC	500 lb	\$94.00
17784	0.65 in	2.68 in	2.31 in	0.50 in	3/4-10 UNC	4,000 lb	\$94.00
17785	0.78 in	3.37 in	3.00 in	0.62 in	1-8 UNC	10,000 lb	\$94.00
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	\$94.00
17788	0.65 in	2.68 in	2.31 in	0.50 in	5/8-11 UNC	2,500 lb	\$94.00
17789	0.78 in	3.37 in	3.00 in	0.62 in	3/4-10 UNC	5,000 lb	\$94.00
<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	\$350.00
17791	1.22 in	4.12 in	5.00 in	1.25 in	1 1/2-6 UNC	20,000 lb	\$350.00
<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	\$183.00
33643	0.39 in	1.81 in	1.69 in	0.25 in	1/2-13 UNC	500 lb	\$183.00
33641	0.39 in	1.81 in	1.69 in	0.25 in	3/8-16 UNC	500 lb	\$183.00
33658	0.52 in	2.38 in	1.94 in	0.38 in	3/8-16 UNC	500 lb	\$183.00
33642	0.65 in	2.68 in	2.31 in	0.50 in	3/4-10 UNC	4,000 lb	\$238.00
33640	0.65 in	2.68 in	2.31 in	0.50 in	1/2-13 UNC	2,000 lb	\$238.00
33639	0.65 in	2.68 in	2.31 in	0.50 in	5/8-11 UNC	2,500 lb	\$238.00
33638	0.78 in	3.37 in	3.00 in	0.62 in	3/4-10 UNC	5,000 lb	\$238.00

\*Do not exceed the safe load

# Load Cell Eye Bolts



## Standard Features

- Mild steel
- One jam nut included with each eye bolt

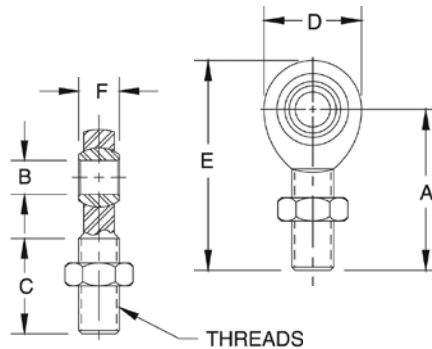
## Part Number/Price

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

HARDWARE AND  
ACCESSORIES

# 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

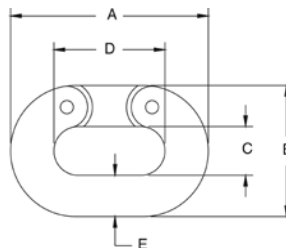
\*Do not exceed the safe load

## 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

HARDWARE AND  
ACCESSORIES

# 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

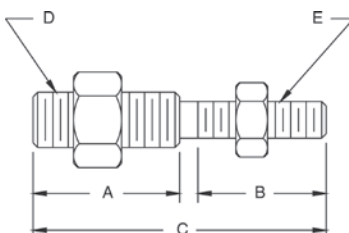
- Power surges such as those caused by welding or electrical shorts frequently damage load cells and indicators. To prevent such damage, these isolators electrically separate the mechanical assembly from its tension-type load cell.

## 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 Adaptors



## 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



# 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	\$220.00
17969	300 lb	1/2-13	3/8-24	300 lb	\$220.00
17894	500 lb	3/8-16	1/4-28	500 lb	\$220.00
17895	500 lb	1/2-13	1/4-28	500 lb	\$220.00
17896	2,000 lb	1/2-13	1/2-20	2,000 lb	\$275.00
17897	2,500 lb	5/8-11	1/2-20	2,500 lb	\$275.00
17898	4,000 lb	3/4-10	1/2-20	4,000 lb	\$275.00
17899	5,000 lb	3/4-10	3/4-16	5,000 lb	\$315.00
17900	10,000 lb	1-8	3/4-16	10,000 lb	\$315.00
17958	15,000 lb (RL20000I)	1 1/4-7	1-12	15,000 lb	\$1,250.00
63166	15,000 lb (RL20001)	1 1/4-7	1-14	15,000 lb	\$1,195.00
17959	20,000 lb**	1 1/2-6	1 1/4-12	20,000 lb	\$1,100.00
Stainless Steel					
33630	500 lb	3/8-16	3/8-24	500 lb	\$625.00
33631	300 lb	1/2-13	3/8-24	300 lb	\$625.00
33632	500 lb	3/8-16	1/4-28	500 lb	\$625.00
33633	500 lb	1/2-13	1/4-28	500 lb	\$625.00
33634	2,000 lb	1/2-13	1/2-20	2,000 lb	\$750.00
33635	2,500 lb	5/8-11	1/2-20	2,500 lb	\$750.00
33636	3,000 lb	3/4-10	1/2-20	3,000 lb	\$750.00
33637	5,000 lb	3/4-10	3/4-16	5,000 lb	\$1,100.00

\* 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	\$19.00
17779	14 in	\$19.00
17780	16 in	\$20.00
17781	24 in	\$21.00
17782	32 in	\$30.00

# Ball Bearings



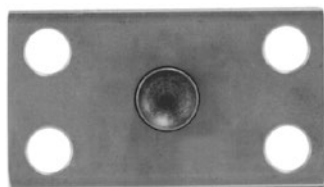
## Standard Features

- 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

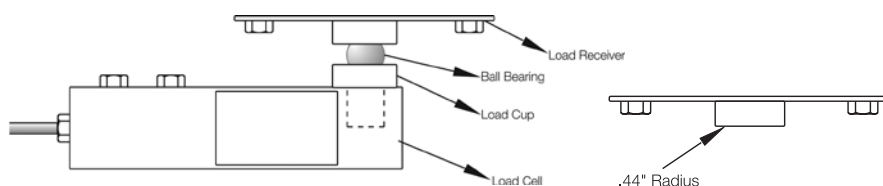
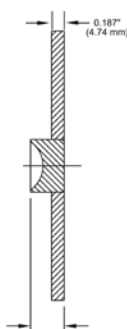
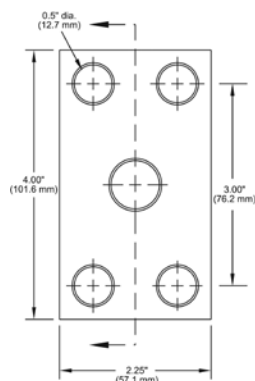


## Standard Features

- 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



HARDWARE AND  
ACCESSORIES

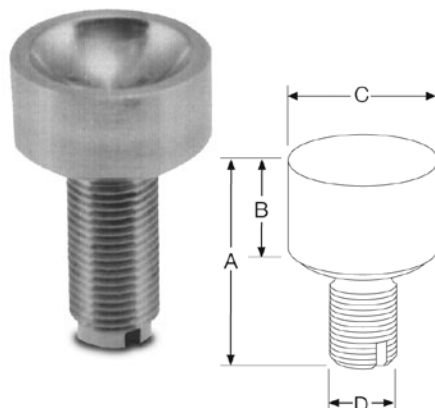
# Load Cups

## 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

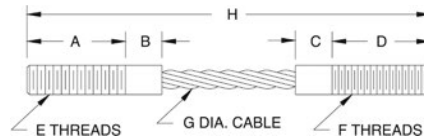
## Part Number/Price

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.

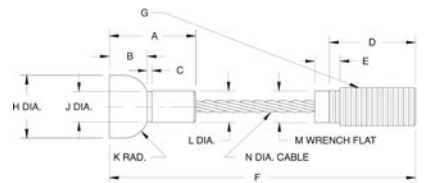
## Part Number/Price

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

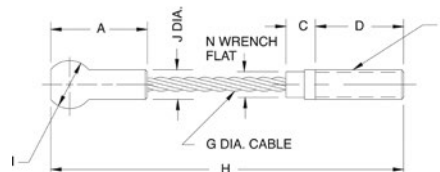
\*Do not exceed the safe load \*\*Used with Rice Lake Weighing Systems flexure bases \*\*\*Stainless steel \*\*\*\*Used with Rice Lake Weighing Systems FXB flexure bases

# Cardinal® Wire Rope Assemblies

HARDWARE AND ACCESSORIES



Part #17767 EL209



Part #17763 EL208

## Standard Features

### Cardinal Wire Rope Assemblies

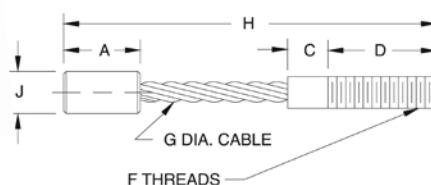
- EL208 Cardinal wire rope assembly:  
Used on 7,500 lb capacity FH model and 8,000 lb capacity EP model
- EL209 Cardinal wire rope assembly:  
Used on 20,000 lb capacity FH and EP models. May also be used on 15,000 lb capacity FH and EP models

## 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: \_\_\_\_\_

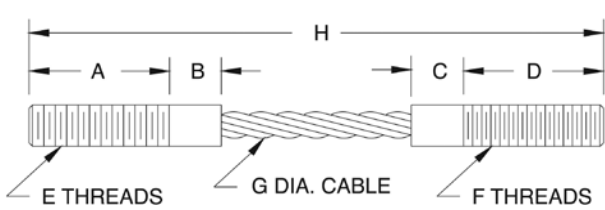
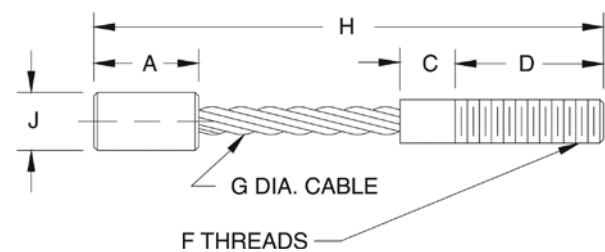
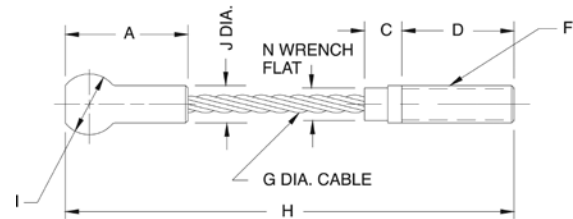
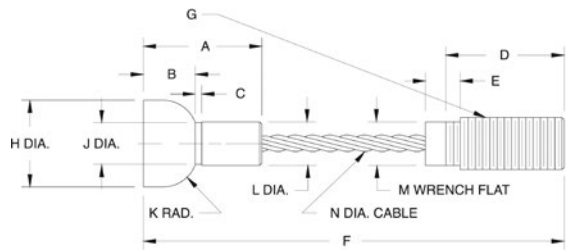
Contact Person: \_\_\_\_\_

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



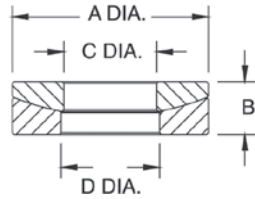
Style D



Style E

HARDWARE AND  
ACCESSORIES

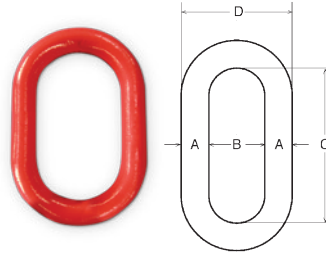
## Spherical Washer Sets



### 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

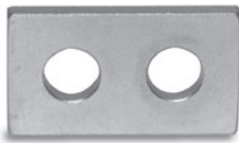
- Self-colored or hot-dip galvanized
- Forged carbon steel quenched and tempered

### 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

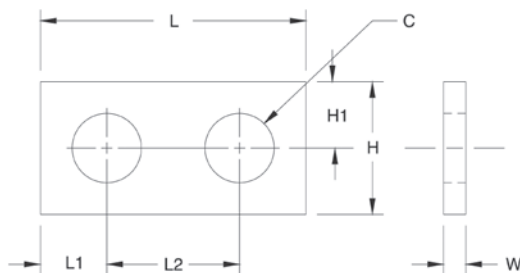


### Standard Features

- 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



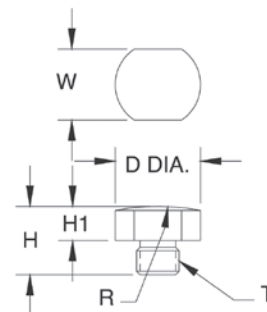
### Standard Features

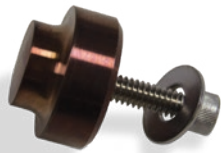
#### Load Button

- 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





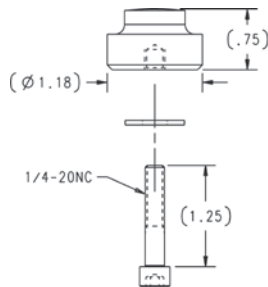
## Standard Features

### 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

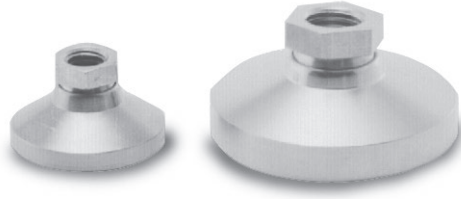
## Part Number/Price

Part #	Foot Diameter	Thread Size Inches	Height	Price
<b>Carbon Steel</b>				
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
<b>Stainless Steel</b>				
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

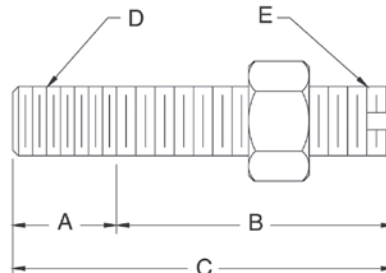
- Designed for use with some floor scales or machinery platforms
- Can limit vibrations transmitted to the scale through the floor
- Provides vibration isolation on most portable platforms

## Part Number/Price

Part #	Thread Size	Height	Diameter	Price
<b>18819</b>	1/2-13 NC	1.81 in	5.00 in	\$106.00

HARDWARE AND  
ACCESSORIES

# Leveling Pad Stems



## Standard Features

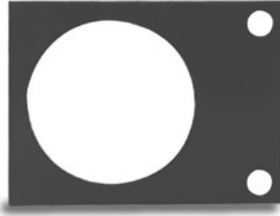
- For use with leveling pads
- One jam nut included

## 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

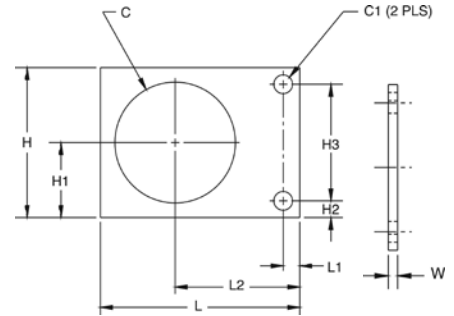
Part #	Description	Price
19075	Mild steel, 1,000 to 10,000 lb	\$19.00
19076	Stainless steel, 1,000 to 10,000 lb	\$24.00

## 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

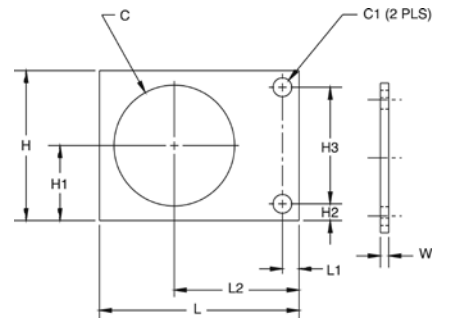
Part #	Description	Price
76149	Mild steel, 2,000 to 10,000 lb	\$19.00

## Dimensions

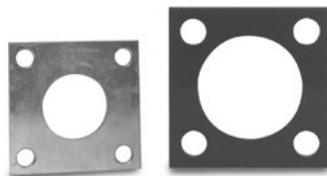
Part #	C	C1	H	H1	H2	H3	L	L1	L2	W
76149	3.19 in	0.56 in	4.50 in	2.25 in	0.50 in	3.50 in	6.00 in	0.50 in	3.75 in	0.25 in

## Standard Features

- Mounting plate for Summit® 3000 floor scales



# Floor Scale Base



## Part Number/Price

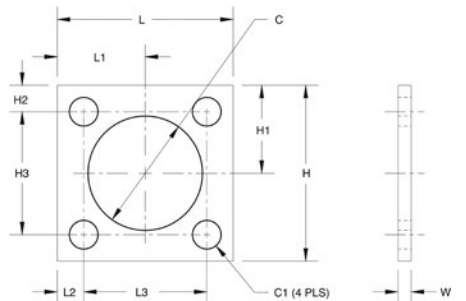
Part #	Description	Price
18737	Mild steel, 1,000 to 10,000 lb	\$9.00
18738	Mild steel 10,000 to 20,000 lb	\$10.00
18751	Stainless steel 1,000 to 10,000 lb	\$34.00

## 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

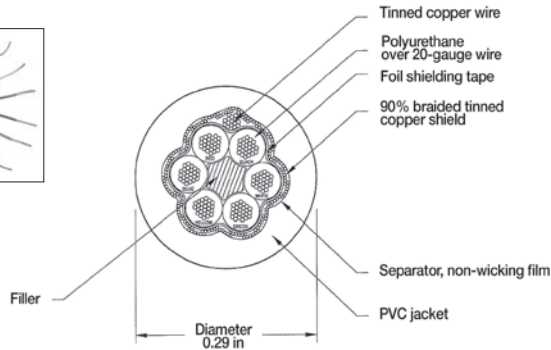
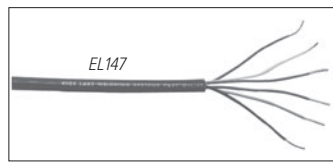
### Ink Colors:

Black, white, silver, orange  
Custom logos

HARDWARE AND  
ACCESSORIES

# 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

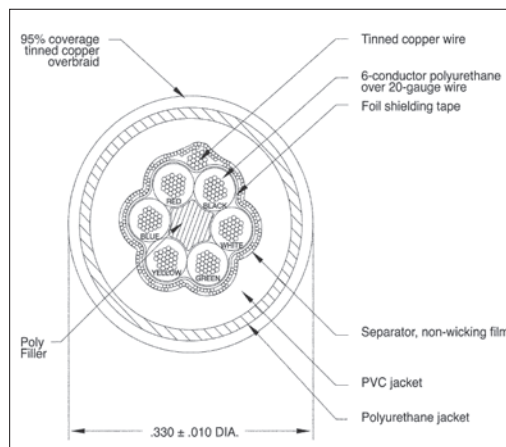
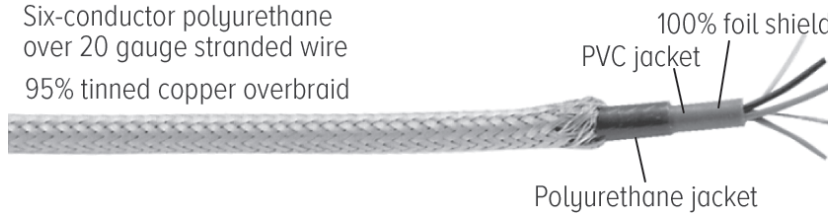
Part #	Continuous Roll	Description	Price
15515	100 ft	Six-conductor cable	\$228.00
15516	250 ft	Six-conductor cable	\$503.00
15517	500 ft	Six-conductor cable	\$938.00
15518	1,000 ft	Six-conductor cable	\$1,828.00
15495	Custom length	Six-conductor cable	\$2.28/ft

HARDWARE AND  
ACCESSORIES

# 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

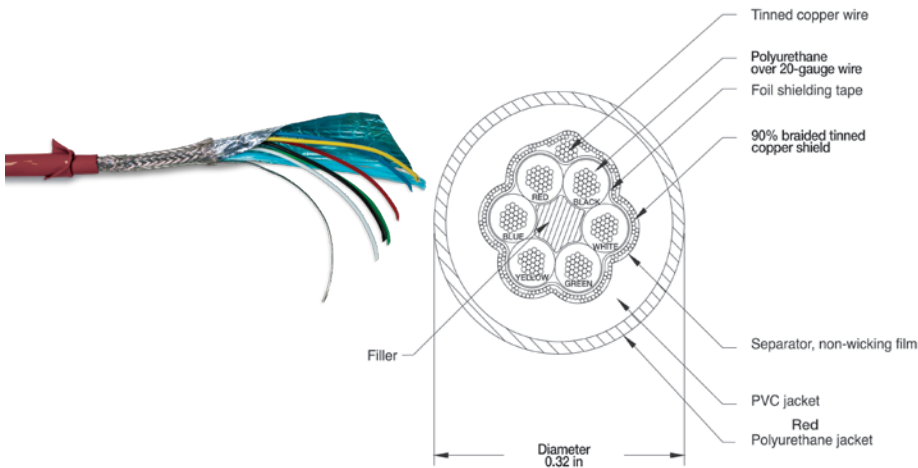
- Tinned copper overbraid provides superior rodent and abrasion deterrent
- Enhanced EMI/RFI protection
- Six-conductor industry-standard color code
- Ideal for truck and railroad-track scales
- Diameter: 0.33 in
- Temperature rating  
-22 °F to 176 °F (-30 °C to 80 °C)
- Jacket coating enhanced with 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

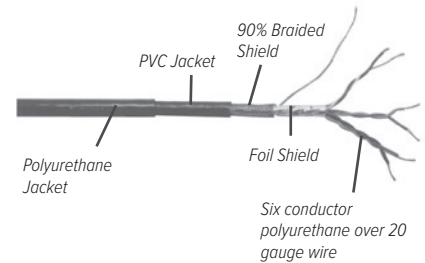
## Hostile Environment Load Cell Cable



### 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

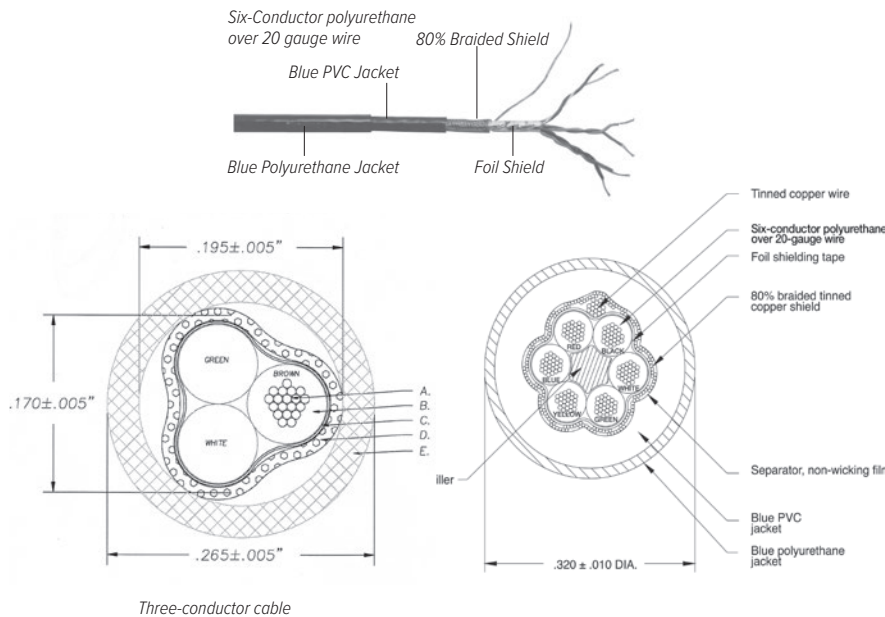


### Part Number/Price

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

# EL147IS, 6 Wire

## Hazardous Environment Blue Jacket Load Cell Cable



### Standard Features

#### EL147IS Hazardous Environment Blue Jacket Cable

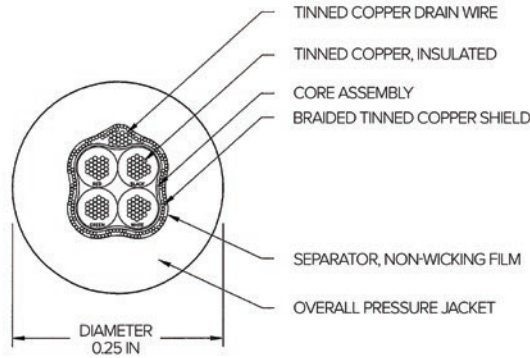
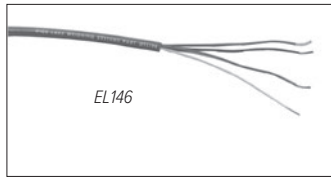
- Designed for intrinsically safe applications (must be wired according to Factory Mutual System-approved diagram)
- Polyurethane over PVC double jacketing provides superior chemical and abrasion resistance
- Both foil and braided wire shields for added RFI and EMI protection
- Six-conductor is industry-standard 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

### 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

# 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

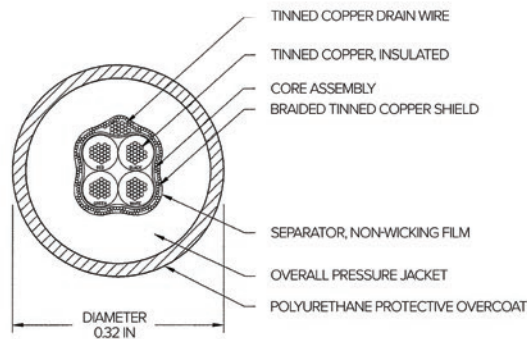
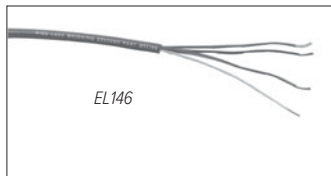
## Standard Features

### 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



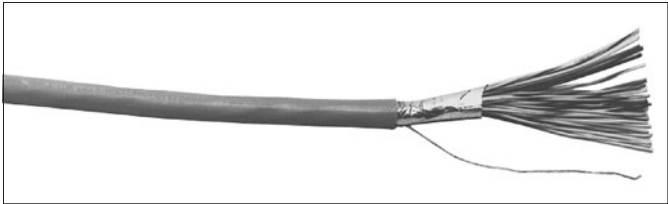
## Standard Features

- 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	EL11, 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

HARDWARE AND  
ACCESSORIES

# 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

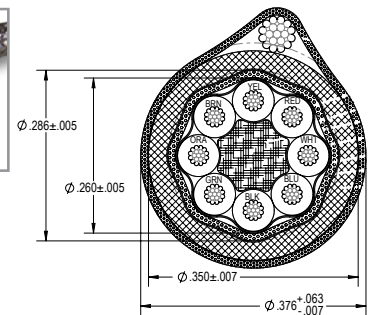
- 100% stainless steel military connector-electro deposited nickel plating with stainless banding and epoxy heat-shrink strain relief
- Stainless steel arctic ring precision cut for improved connection
- Textured rubber boot for additional grip
- Standard Mettler Toledo color code
- Compatible with Mettler 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 Adaptors



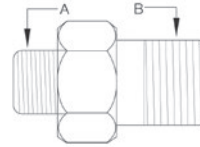
31534



31535



31533



## Standard Features

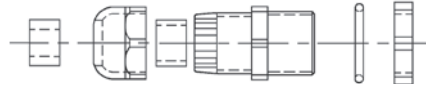
- Used to adapt conduit to load cells
- 303 stainless steel

## 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 adaptor

# Cord Grip Assemblies



## Standard Features

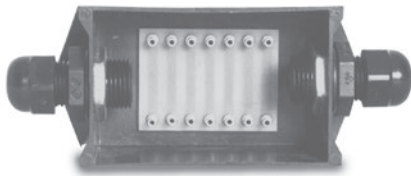
- Assemblies include cord grip, locknut, O-ring seal, gray and black reducer glands
- Fittings are made of weather- and corrosion-resistant nylon

## 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

HARDWARE AND  
ACCESSORIES

# 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

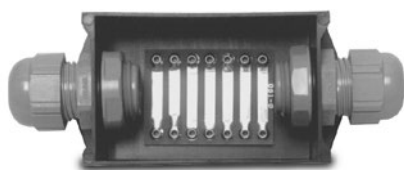
### Cure Time For Potting:

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



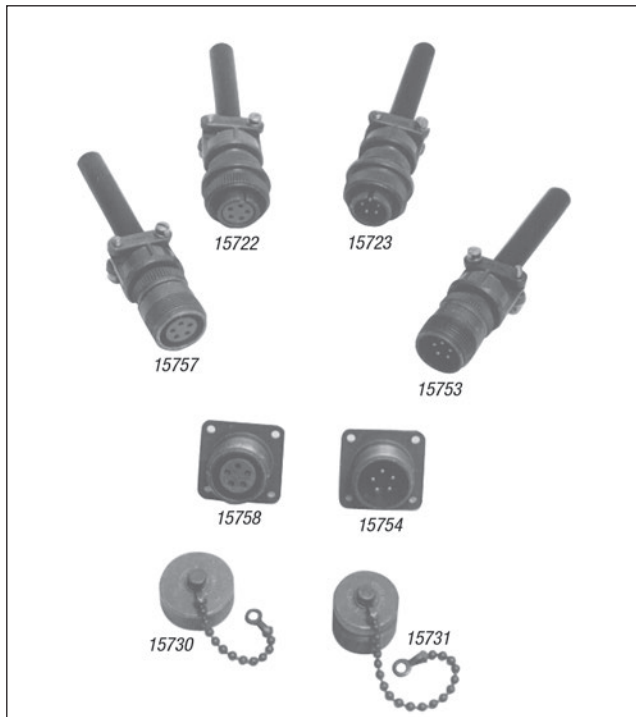
### Standard Features

- Each kit includes cable for four Flintec SB4 load cells as listed

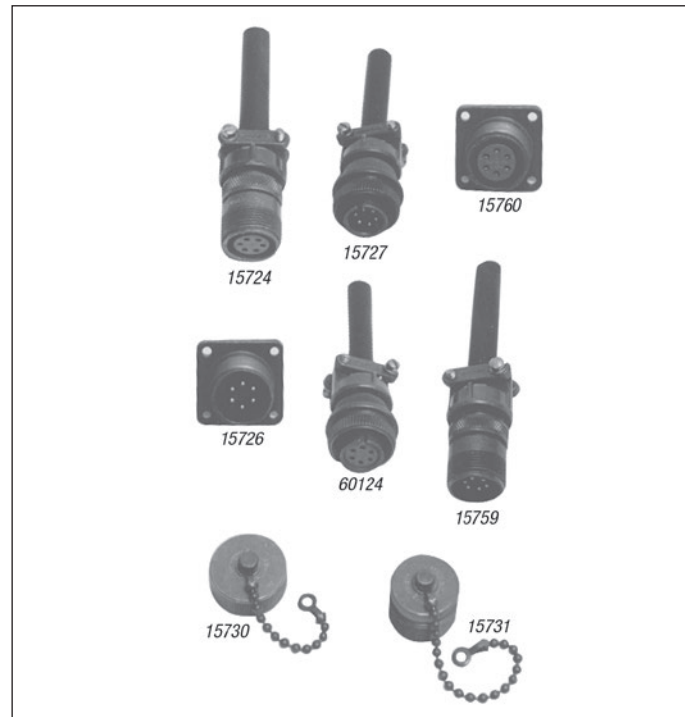
### Part Number/Price

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

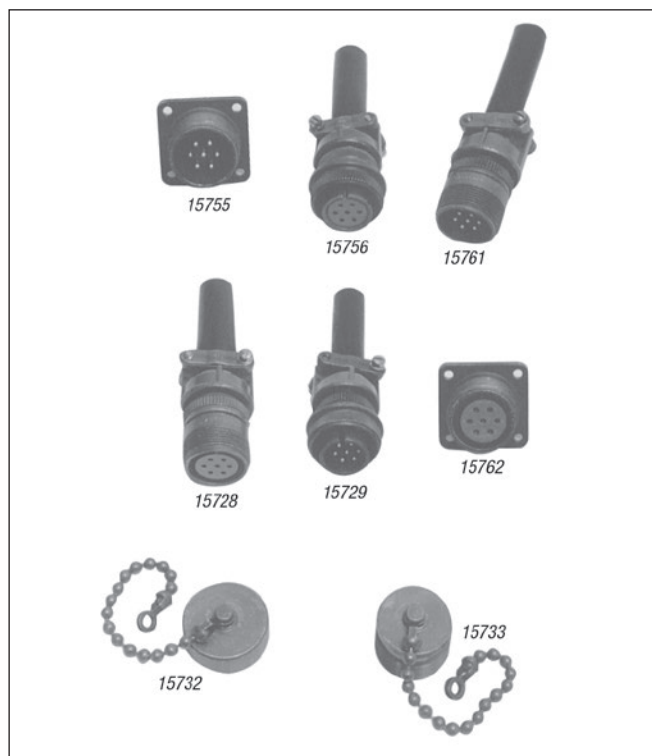
## Five-Position Connectors, Shell Plugs, Receptacles



## Six-Position Connectors, Shell Plugs, Receptacles



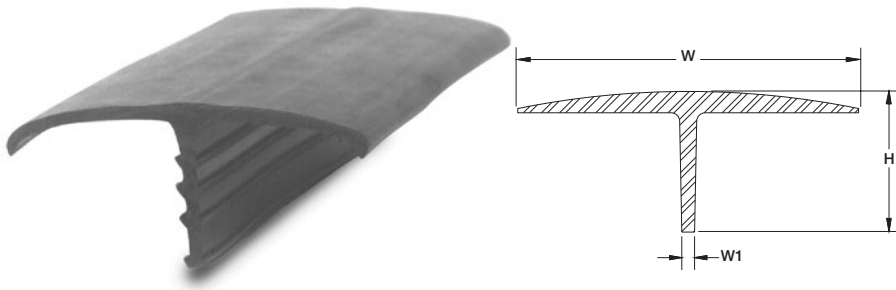
## Seven-Position Connectors, Shell Plugs, Receptacles



### 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

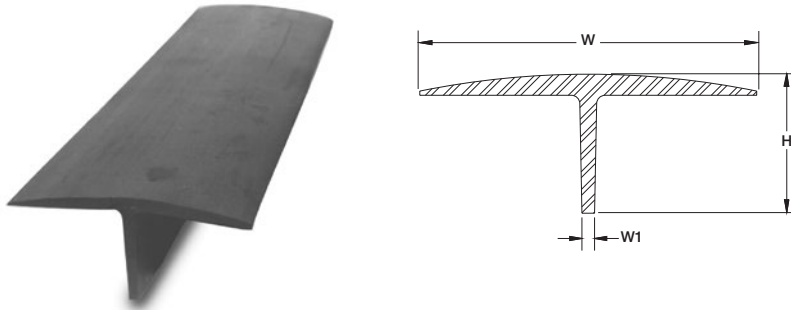
- Designed for use in truck scale applications to prevent spillover into the pit
- Impact, tear and weather-resistant EPDM rubber
- Barbed web to hold molding in place
- Web thickness 0.22 in
- Available by the foot: 10 ft, 11 ft, 70 ft, 80 ft and 100 ft lengths
- Maximum continuous length is 450 ft

## Part Number/Price

Part #	H	W	W1	Length	Price
18799	2.56 in	5.75 in	0.22 in	Sold by the foot	\$10.00/ft
18800	2.56 in	5.75 in	0.22 in	10 ft	\$95.00
18801	2.56 in	5.75 in	0.22 in	11 ft	\$105.00
18802	2.56 in	5.75 in	0.22 in	70 ft	\$695.00
33219	2.56 in	5.75 in	0.22 in	80 ft	\$795.00
33222	2.56 in	5.75 in	0.22 in	100 ft	\$995.00

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	\$9.00/ft
18776	2.00 in	4.50 in	0.25 in	10 ft	\$90.00
18797	2.00 in	4.50 in	0.25 in	11 ft	\$99.00
18798	2.00 in	4.50 in	0.25 in	70 ft	\$630.00
33223	2.00 in	4.50 in	0.25 in	80 ft	\$720.00
33224	2.00 in	4.50 in	0.25 in	100 ft	\$895.00

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 (L × W): 9.0 × 5.5 in (229 × 140 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 _____		

## Standard Features

- **Rice Lake Scales - 71630 or 105182**
- Carbonless duplicate or triplicate
- Size (L x W): 7.00 x 4.25 in (178 x 107 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: \_\_\_\_\_

**WICE LAKE**  
WATER & WASTE RECOVERY SYSTEMS

PH/11/2010

## 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)

[illegible]

## 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

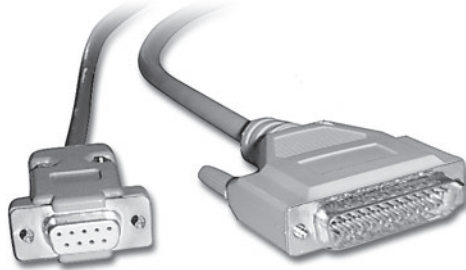
### Part Number/Price

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	\$70.00
<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	\$11.75
130789	Null modem DB9 M/F	\$13.75

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)

HARDWARE AND  
ACCESSORIES

## Static Brushes



Part #	Staticmaster Part #	Description	Price
76669	1C200	Static brush 1 in	\$140.00
76670	1C200R	Replacement cartridge	\$90.00



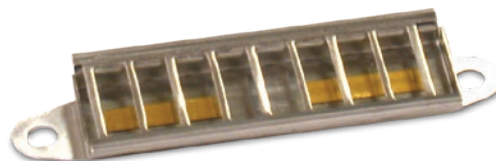
Part #	Staticmaster Part #	Description	Price
76671	3C500	Static brush 3 in	\$210.00
76672	3C500R	Replacement cartridge	\$145.00

## Ionizing Strips



Part #	Staticmaster Part #	Description	Price
76677	1U400	Ionizing unit 1 × 1 in	\$145.00
76678	1U200	Ionizing unit 1 × 1 in	\$90.00
76676	2U500	Ionizing unit 1 × 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 × H) 2.5 × 1.5 in (64 × 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 adaptor
- Female to male DB9 gender changers
- Null modem adaptor
- 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

## TABLE OF CONTENTS

<b>JB4SS</b> .....	<b>364</b>
<i>TuffSeal® Signal Trim Junction Box</i>	
<b>JB4ES</b> .....	<b>365</b>
<i>TuffSeal® Excitation Trim Junction Box</i>	
<b>JB4SP and JB4SPT</b> .....	<b>366</b>
<i>TuffSeal® Signal Trim Junction Box</i>	
<b>JB4EP and JB4EPT</b> .....	<b>367</b>
<i>TuffSeal® Excitation Trim Junction Box</i>	
<b>EL204</b> .....	<b>368</b>
<i>Signal Trim Junction Box</i>	
<b>EL504</b> .....	<b>369</b>
<i>Signal Trim Junction Box</i>	
<b>JB8SP</b> .....	<b>370</b>
<i>TuffSeal® Signal Trim Junction Box</i>	
<b>JB8SPT</b> .....	<b>371</b>
<i>TuffSeal® Signal Trim Junction Box</i>	
<b>EL304A</b> .....	<b>372</b>
<i>Signal Trim Junction Box</i>	
<b>JB1010T</b> .....	<b>373</b>
<i>Signal/Excitation Trim Junction Box</i>	
<b>JB1010ST</b> .....	<b>374</b>
<i>Signal Trim Junction Box</i>	
<b>Replacement Junction Boxes, Boards or Components</b> .....	<b>375</b>
<b>iQUBE2®</b> .....	<b>376</b>
<i>Digital Diagnostic Junction Box</i>	
<b>EL168</b> .....	<b>379</b>
<i>1-Cell Junction Box</i>	
<b>TP75 DC</b> .....	<b>379</b>
<i>Transient Protection</i>	
<b>UJB3T6 DC</b> .....	<b>380</b>
<i>Transient Protection</i>	
<b>TP232</b> .....	<b>381</b>
<i>High Energy RS-232 Serial Protection</i>	
<b>Ranger 1</b> .....	<b>381</b>
<i>Variable Range Simulator</i>	
<b>Ranger 3</b> .....	<b>382</b>
<i>Variable Range Simulator</i>	
<b>Transducer Simulator 4</b> .....	<b>382</b>
<b>Ranger 5</b> .....	<b>383</b>
<i>Variable Range Simulator</i>	
<b>Ranger 7</b> .....	<b>383</b>
<i>Variable Range Simulator</i>	

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# JB4SS

TuffSeal® Signal Trim Junction Box



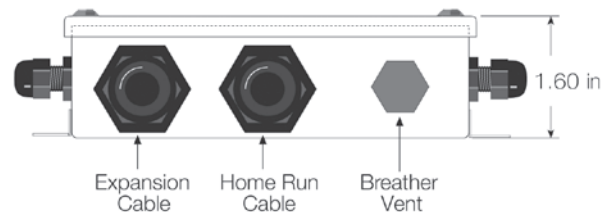
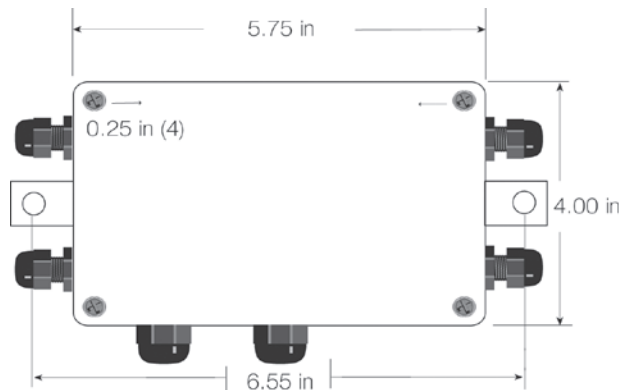
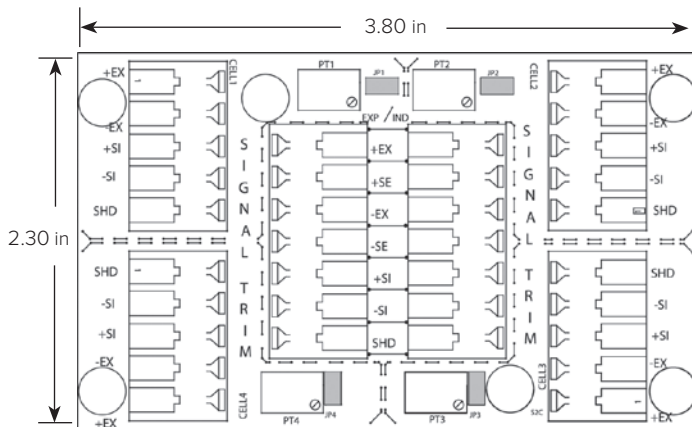
## Approvals



## Part Number/Price

Part #	Description	Price
88956	JB4SS signal trim junction box with PG7 cord grips for load cells	\$275.00
107700	JB4SS signal trim junction box with PG9 cord grips for load cells	\$290.00
88958	Board only	\$175.00
182990	Board only with standoffs	\$180.00
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

- 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



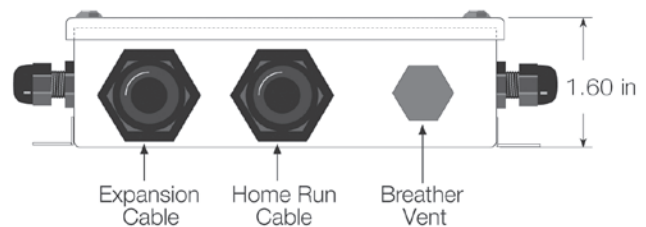
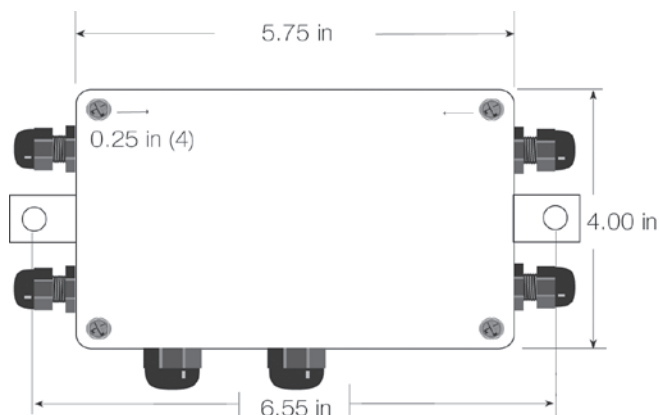
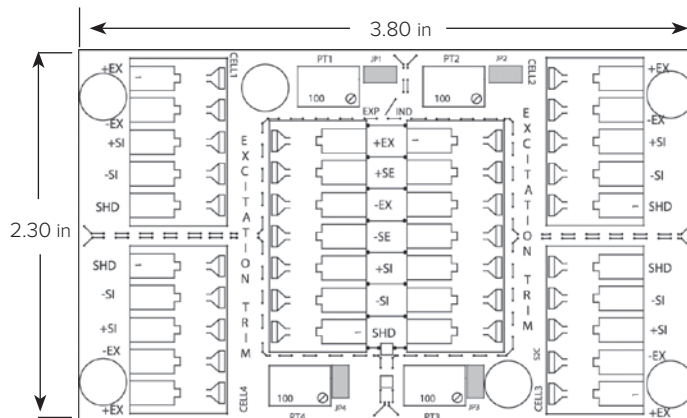
## Approvals



## 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

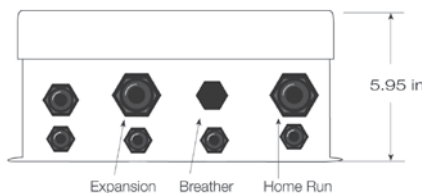
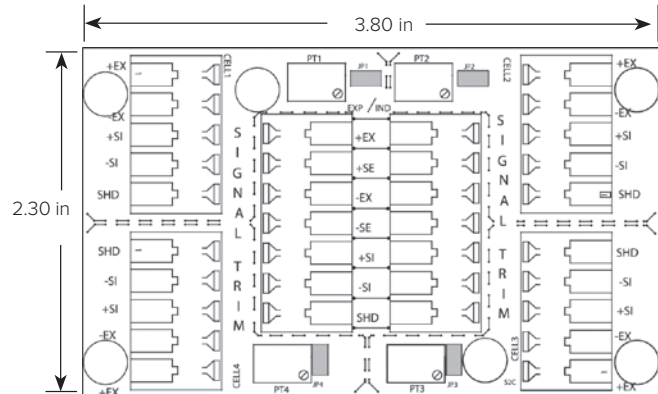
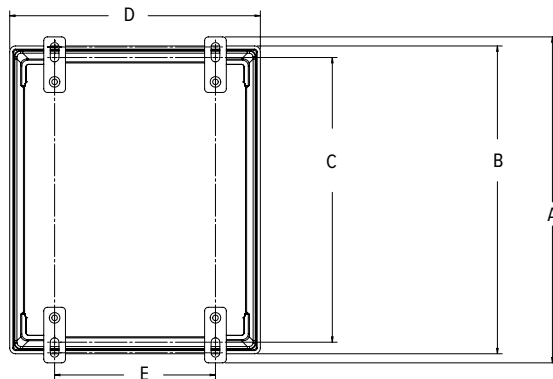
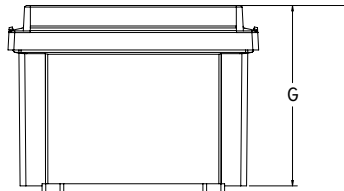
## Part Number/Price

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

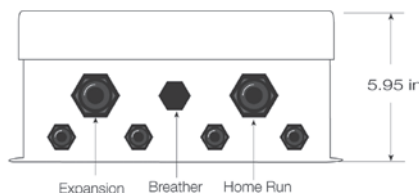
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

## 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		



JB4SP



JB4SPT

# 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

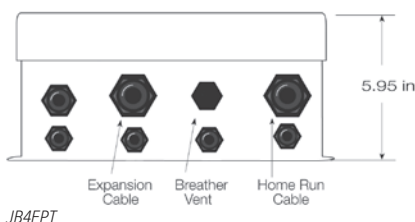
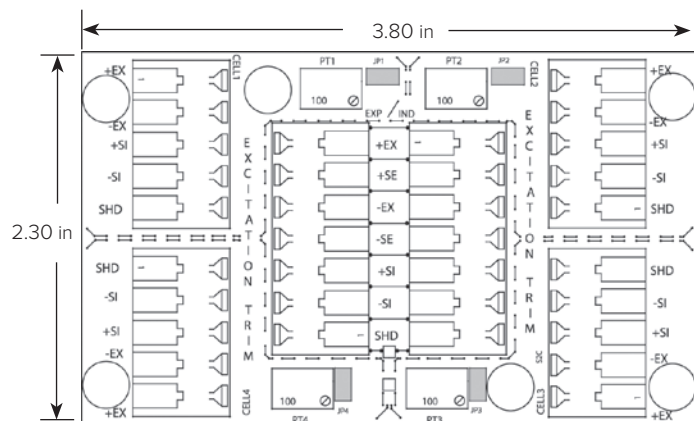
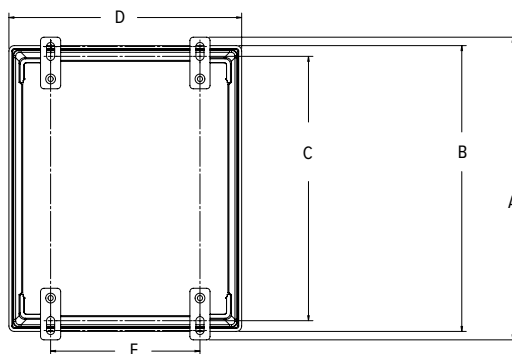
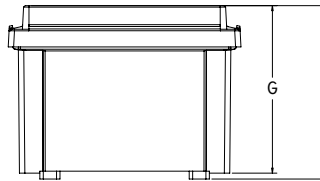
## Part Number/Price

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

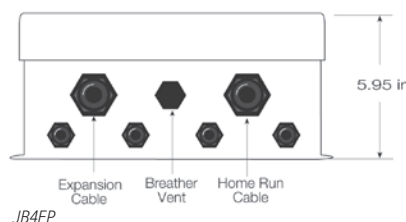
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

## 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



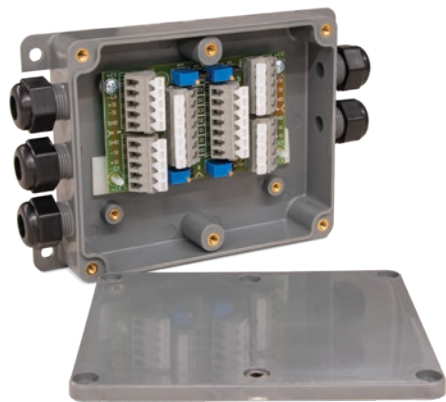
JB4EP

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:

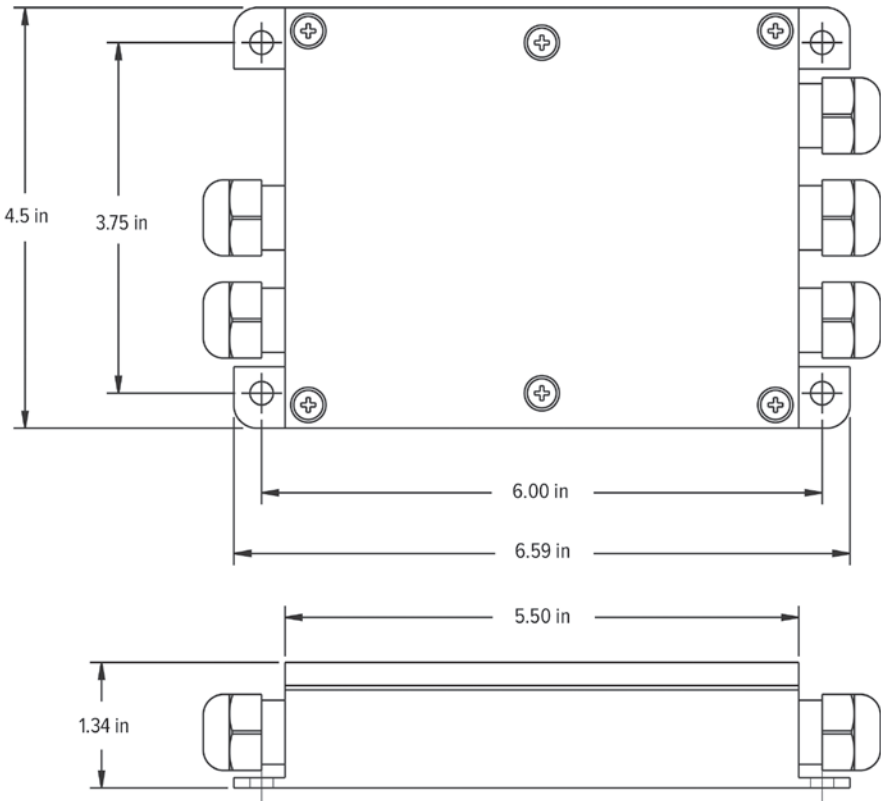
100,000 ohm, 25-turn cermet

#### 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:

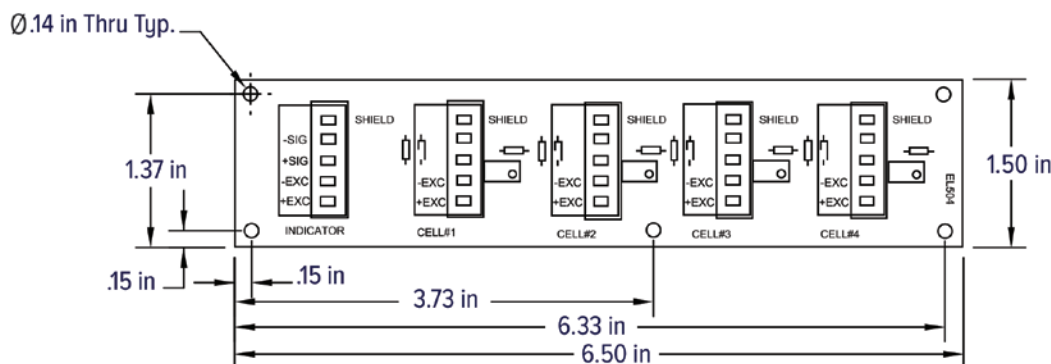
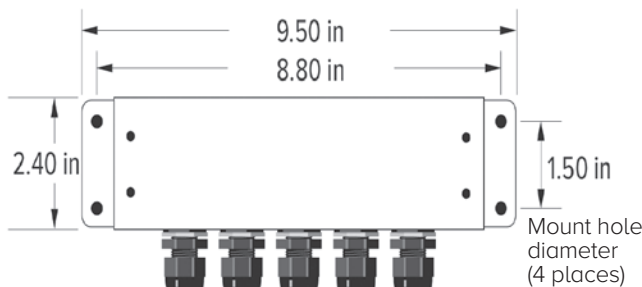
NEMA Type 4X, 40 PSI washdown  
Stainless steel

#### 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

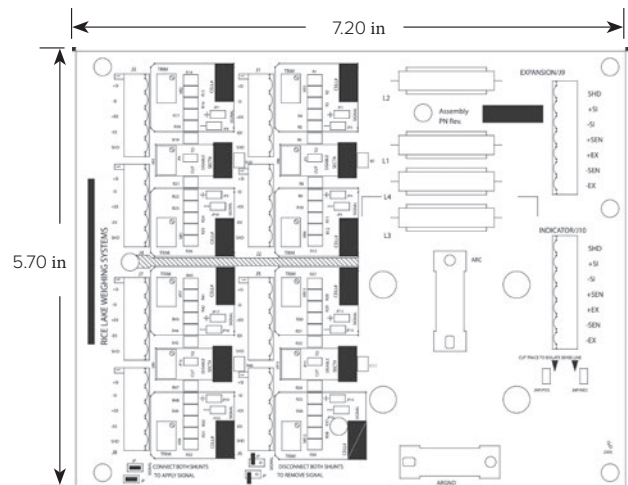
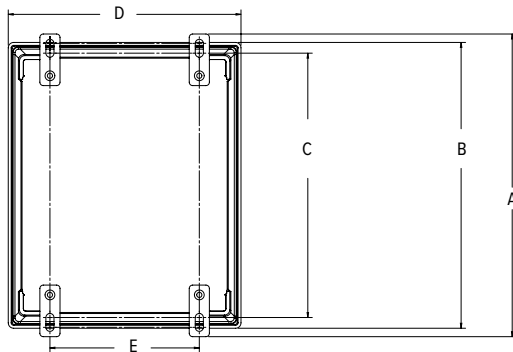
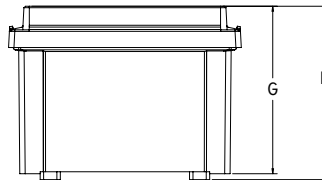
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

## 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	\$665.00
89889	Board only	\$395.00
89894	Transient board	\$235.00
165273	Enclosure only (does not include cord grips and filter)	\$165.00

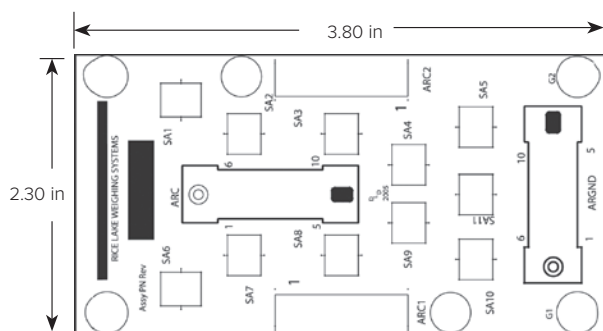
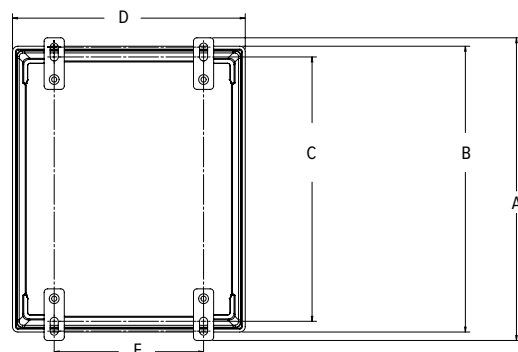
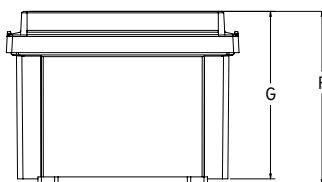
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

## Options/Accessories

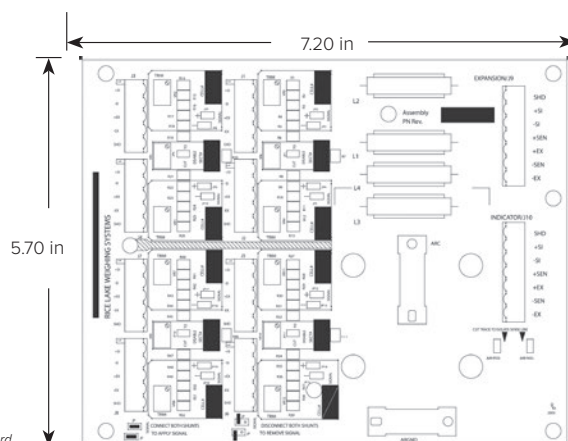
Part #	Description	Price
92734	Coupling, 1/2-inch NPT cord grip to 3/4-inch NPT conduit fitting	\$27.00
92735	Coupling, 3/8-inch NPT cord grip to 3/4-inch NPT conduit fitting	\$27.00

## 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

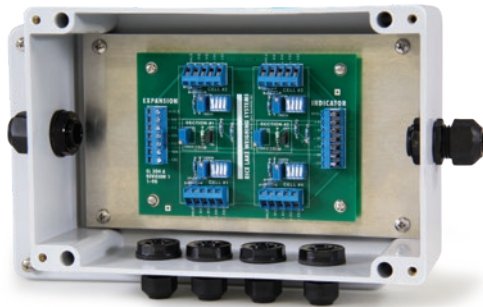
### Warranty:

One-year limited



# EL304A

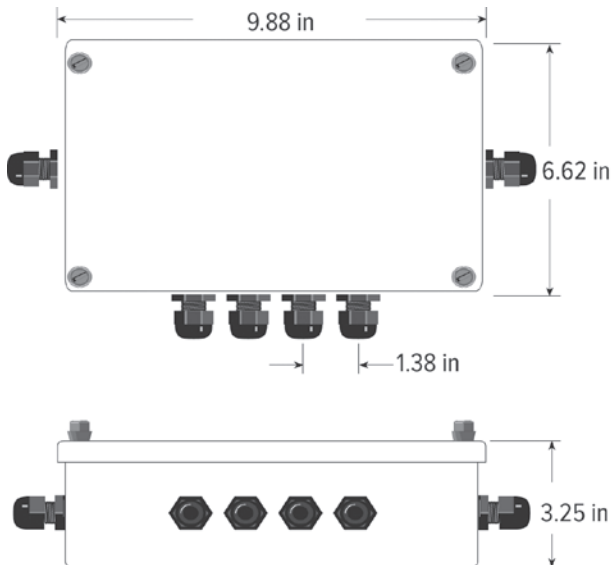
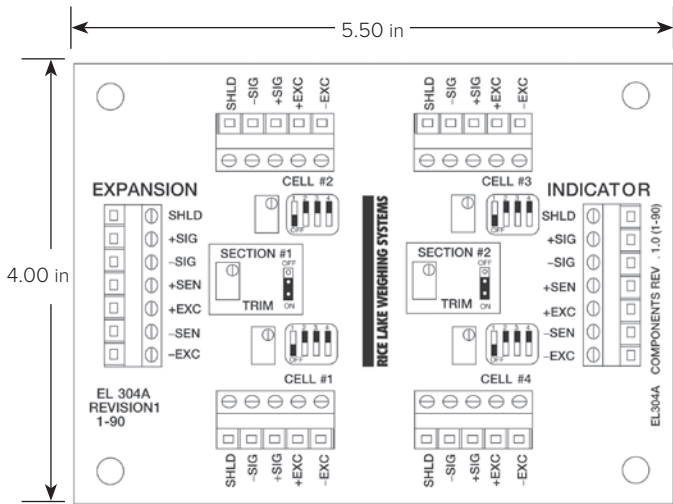
Signal Trim Junction Box



### 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

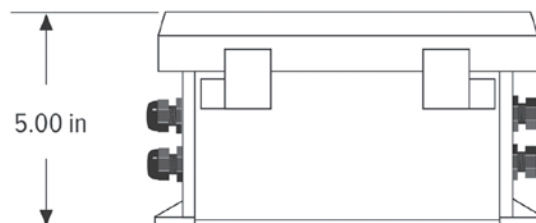
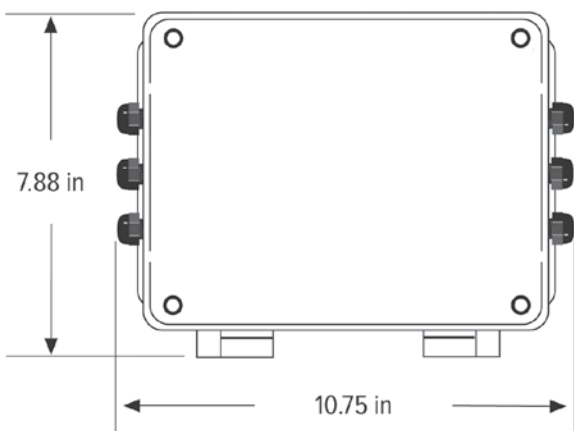
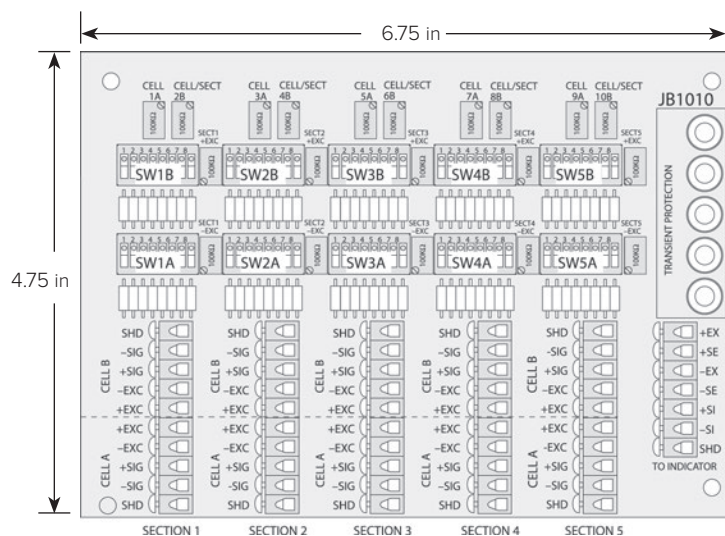




### Part Number/Price

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:

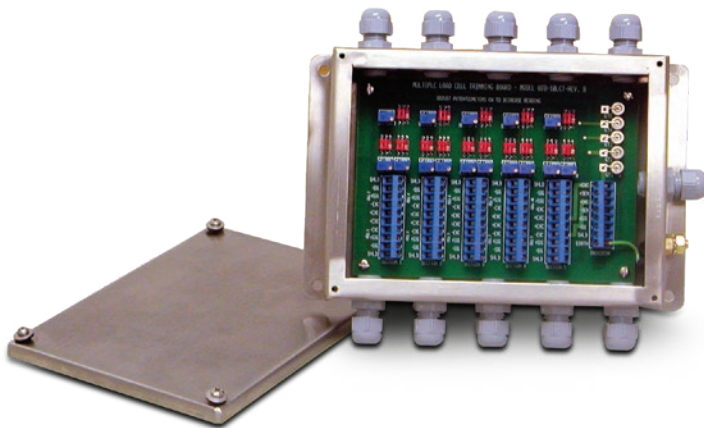
Rated 300V/15A; 7-position screw terminal can each accommodate up to #16 AWG

#### Warranty:

One-year limited

# JB1010ST

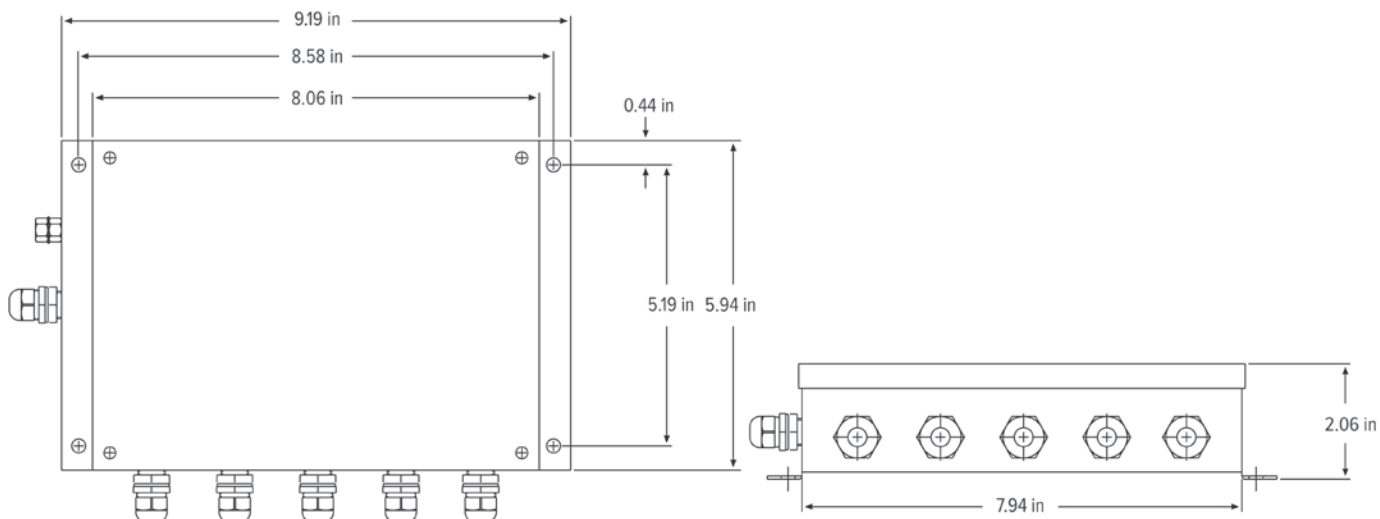
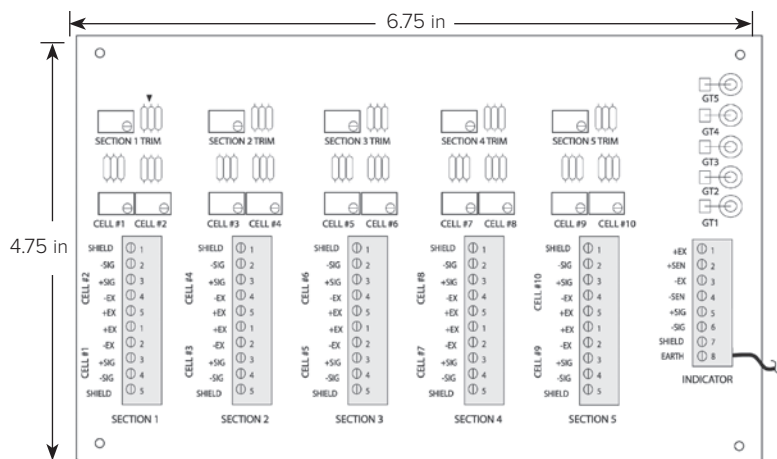
Signal Trim Junction Box



## 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

# 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 <b>59001</b> =PG11 \$3.70	<b>88733</b> PreVent™ breather (vent) \$22.00 <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 <b>59001</b> =PG11 \$3.70	<b>88733</b> PreVent™ breather (vent) \$22.00 <b>88734</b> (vent nut) \$1.05	<b>92240</b> \$1.17
JB4SP JB4SPT	<b>91780</b> \$285.00 <b>92762</b> \$475.00	<b>88958</b> (load cell) \$175.00 & <b>89894</b> (transient protection) \$235.00	<b>58983</b> =PG7, \$5.00 <b>59001</b> =PG11 \$3.70	<b>88733</b> PreVent™ breather (vent) \$22.00 <b>88734</b> (vent nut) \$1.05	<b>16039</b> \$2.23
JB4EP JB4EPT	<b>91781</b> \$285.00 <b>92763</b> \$475.00	<b>89446</b> (load cell) \$170.00 & <b>89894</b> (transient protection) \$235.00	<b>58983</b> =PG7, \$5.00 <b>59001</b> =PG11 \$3.70	<b>88733</b> PreVent™ breather (vent) \$22.00 <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 <b>173807</b> FM approved \$495.00	<b>89889</b> \$395.00 <b>172415</b> FM approved \$415.00	<b>15655</b> (cord grip) \$2.10 & <b>15656</b> (nut) \$1.05 =3/8" NPT <b>15628</b> (cord grip) \$5.00 & <b>15630</b> (nut) \$3.00 =1/2" NPT	<b>88733</b> PreVent™ breather (vent) \$22.00 <b>88734</b> (vent nut) \$1.05	<b>16039</b> \$2.23
JB8SPT	<b>91783</b> \$665.00	<b>89889</b> (load cell) \$395.00 & <b>89894</b> (transient protection) \$235.00	<b>15655</b> (cord grip) \$2.10 & <b>15656</b> (nut) \$1.05 =3/8" NPT <b>15628</b> (cord grip) \$5.00 & <b>15630</b> (nut) \$3.00 =1/2" NPT	<b>88733</b> PreVent™ breather (vent) \$22.00 <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 <b>59001</b> =PG11 \$3.70	N/A	N/A
EL211A	<b>91780</b> , JB4SP* \$285.00 (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 <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 <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 <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 <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 & <b>15656</b> (nut) \$1.05 =3/8" NPT <b>15628</b> (cord grip) \$5.00 & <b>15630</b> (nut) \$3.00 =1/2" NPT	N/A	N/A
JB818ST	<b>91783</b> , JB8SPT* \$665.00	Need (1) <b>77445</b> \$55.00 (1) <b>89889</b> \$395.00, & (1) <b>89894</b> \$235.00	<b>15655</b> (cord grip) \$2.10 & <b>15656</b> (nut) \$1.05 =3/8" NPT <b>15628</b> (cord grip) \$5.00 & <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 Adaptors</b>			
92734	Conduit adaptor 3/8 in NTP to 3/4 in NPT		\$27.00
92735	Conduit adaptor 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	\$2,325.00
77791	920i Universal, 230 VAC, without A/D	\$2,325.00
93243	920i Deep Universal, 115 VAC, without A/D	\$2,525.00
93244	920i Deep Universal, 230 VAC, without A/D	\$2,525.00
77792	920i Panel Mount, 115 VAC, without A/D	\$2,325.00
77793	920i Panel Mount, 230 VAC, without A/D	\$2,325.00
77794	920i Wall Mount, 115 VAC, without A/D	\$2,975.00
77795	920i Wall Mount, 230 VAC, without A/D	\$2,975.00
<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

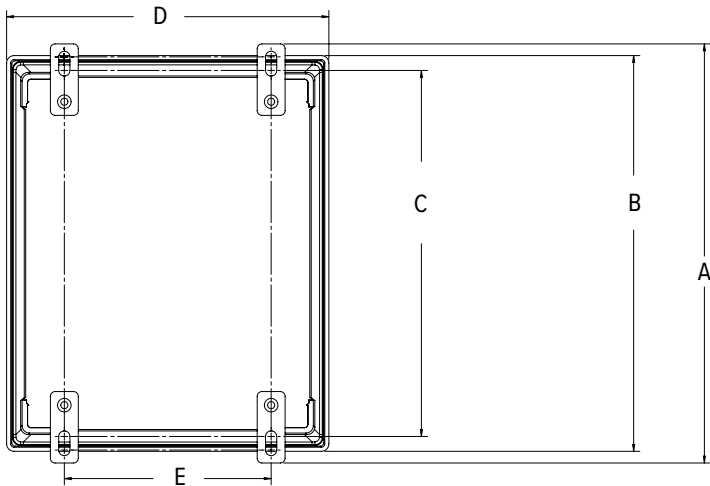
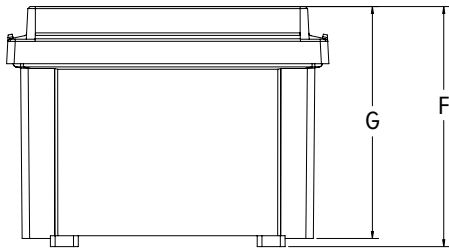


## Sample Configurations\*

\*Not an actual system—illustrates connectivity

Dimensions

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)		

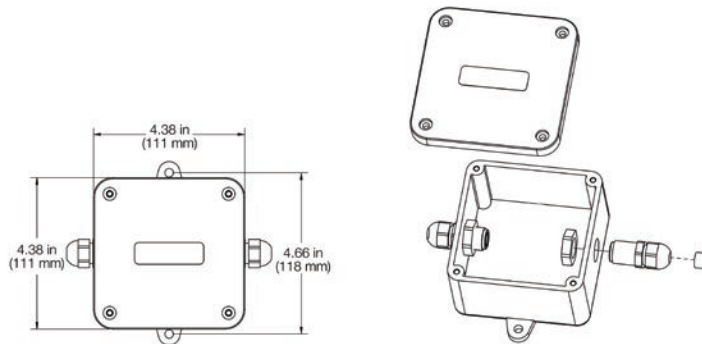






## Part Number/Price

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:

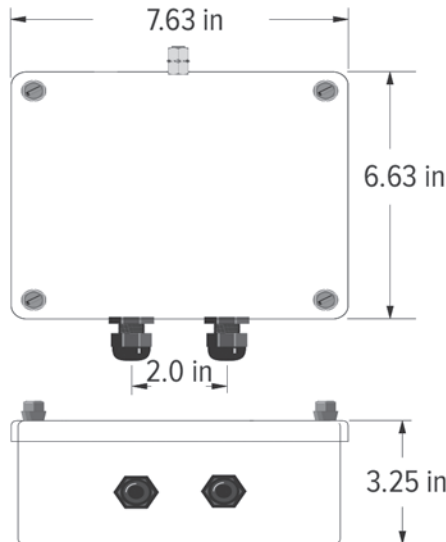
One-year limited

## Part Number/Price

Part #	Description	Price
21134	UJB3T6	\$465.00

## 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	\$19.00
17781	24 in ground strap	\$21.00
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	\$385.00

### 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	\$485.00

## 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:

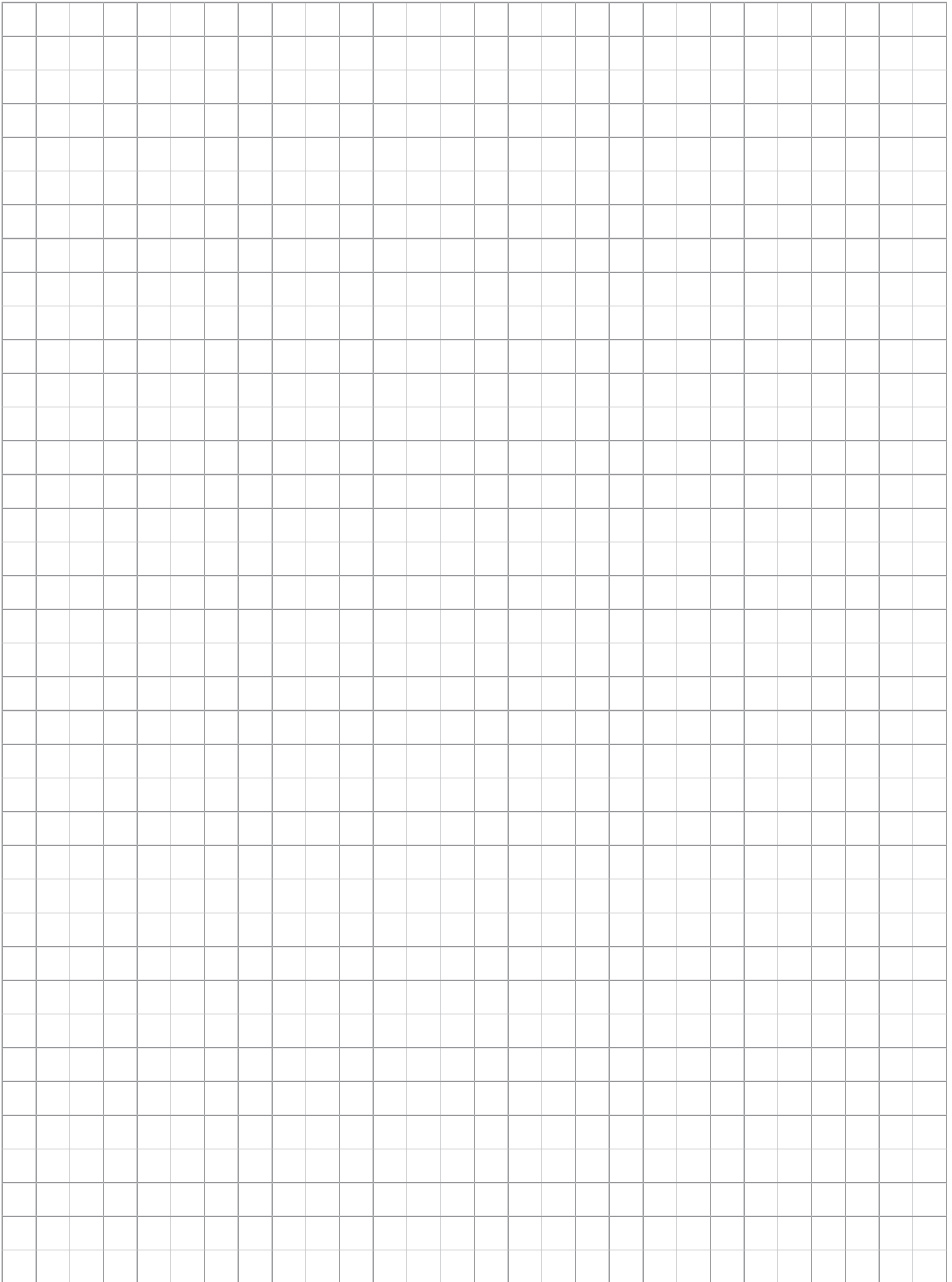
One-year limited

## 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





Your service doesn't stop when the office is closed and neither does ours. **Simply call 800-472-6703 and select option 1** to reach on-call personnel outside of our normal business hours for emergency support.

When you need help, rely on Rice Lake.  
We look forward to answering your call.

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**RICE LAKE**<sup>®</sup>  
WEIGHING SYSTEMS

800-472-6703  
[www.ricelake.com](http://www.ricelake.com)



MANUFACTURER	MODELS	EXCITATION		SIGNAL		SENSE		SHIELD
		+	-	+	-	+	-	
ALLEGANY TECHNOLOGY	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Green	● Black	● Red	○ White	X	X	● Bare
ARTECH	VARIOUS COLOR CODE COMBINATIONS AVAILABLE							
COTI GLOBAL	VARIOUS COLOR CODE COMBINATIONS AVAILABLE							
BEOWULF	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Green	● Black	○ White	● Red	X	X	● Bare
VPG BLH	C2P1, C3P1, T2P1, T3P1	● Green	● Black	○ White	● Red	X	X	● Yellow
CARDINAL	CB6, SCA, LFB, SB, SP DB, TSP, TB	● Green	● Black	● Red	○ White	X	X	● Bare
VPG CELTRON	PSD, SEB, LCD, CSB, DSR, DSR-HSS, LOC, SQB, SQB-HSS, STC, STC SS, LPS, STC-HSS, CLB, DLB, HTC SS, MBB, MDB, HOC HBB	● Red	● Black	● Green	○ White	X	X	● Bare
DIGI TERAOKA	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Red	○ White	● Green	● Yellow	● Blue	● Orange	● Bare
DILLON	Canister Cell, Tension Compression Z-Cell	● Green ○ White ● Red	○ White ● Green ● Black	● Black ● Black ○ White	● Red ● Red ● Green	X X X	X X X	● Orange ● Orange ● Orange
ELECTROSCALE	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Red	● Black	● Green	○ White	X	X	● Bare
FLINTEC	PC1, PC6, RC1, SB4, SB5, SB6, SB14, SLB, UB1, UB6, SB10, PB, PCB, BK2, RC3, PC3	● Green	● Black	○ White	● Red	X	X	● Yellow
GSE	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Green	● Black	○ White	● Green	● Blue	● Brown	● Yellow
HBM	BLC, BLF, JRT, PWS, RSC, SBF, SB3, USB, U1T, H35, THC, BBS, PWS PLC, B35, A35, S35 SP10, PWSM PW12, PW16, C16A, PW15AH, PW15, Z6, SP4, SP4M	● Green ● Red ● Green ● Blue	● Black ● Black ● Black ● Black	○ White ○ White ○ White ○ White	● Red ○ White ● Red ● Red	X X ● Orange ● Green	X X ● Blue ○ Grey	● Yellow ● Yellow ● Yellow ● Bare
INTERFACE	SSM, 1200, 3200 SML, WMC Miniature	● Red ● Red	● Black ● Black	● Green ○ White	○ White ● Green	X X	X X	● Bare ● Bare
KUBOTA	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Red	○ White	● Green	● Blue	X	X	● Yellow
METTLER TOLEDO	VARIOUS COLOR CODE COMBINATIONS AVAILABLE							
MEASUREMENT SPECIALISTS	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Green	● Black	○ White	● Red	X	X	● Yellow
NCI	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Red	● Black	○ White	● Green	X	X	● Bare
VPG REVERE	62U, 63U, 363, 953, 9523, 9363, 92, 93, 42U, 43U, 263D, 462, 5102, 5103, 5123, 5223, 5723, 6762, 9102, 9103, 9123, 9523, 9223, 9803, 9323, 9423 392B, 642, 652, 692B, BSP, HPS, HPSM, USP1, 792, 933, ASC, CP, CSP, SHB, SSB	● Red ● Green ● Pink ● Green	● Black ● Black ○ Grey ● Black	○ White ○ White ● Brown ○ White	○ White ○ White ● Red ● Red	X X X ● Yellow	X X X ● Blue	● Bare ● Bare ● Bare ● Bare
RICE LAKE WEIGHING SYSTEMS	RL20000I, RL20000SS, RL20000ST, RL20001, RL20001HE, RLETS, RL30000I, RL32019S-HE, RL32018, RL32018S, RL32018S-HE, RL30002, RL35023, RL35023S, RL35082, RL35083, RL39123, RL39523, RL50210, RL72020, RL72020SS, RL72020P, RL75016SS-W, RL75058-LP, RL75058S-LP, RL50210SS, RL70000, RL75016, RL75016SS, RL75040, RL75058I, RL75060S, RL75223, RL90000, RLETB, RLHSS, RLMK4, RL75016WHE, RL60040SST, RLS3030, RLS1000, RL70000SS, RL71000HE, RL32218S-HE, RL32018S-P, RL50219SS, RL72019SS  RLDB50000S, RL2200, RL2200SS RLMK15, RLMK21, RL72010MH RLMK1 RL1521A, RLFLS, RL26018A, RL32022, RL32022S RL408BS, RLBC, RLSB2, RLSB2L, RLSB2M, RLSB2MLW, RLSB250, RLSB250T, RLSSB, RL9000TWM, RL9000TWM-HT, RL75114, RLSCA, RLBLP, RL32011WB-L, RL32011WB-T, RL2010, RL32018-T, RL32018S-T RL8C2P1SST, RLCSP1, RL75000SS RL1380, RL1385, RLH35, RL30745, RL70510, RL80453, RLP6C, RLP6C3SS RL1010, RL1040, RL1042, RL1140, RL1250, RL1260, RLPWM12, RLPWM16 RLSP4 RLPCB-60, RLP6C4SS-HE RLHBB, RLHTO, RLPWM15HE, RLPWM15 RL9018SS RL32155 RL42018A, RL1218A, RL260FD	● Red  ● Red ● Red ● Green ● Green ● Green ● Green ● Green ● Green ● Green ○ White ● Green	● Black ● Black ● Black ● Black ● Black ● Black ● Black ● Black ● Black ● Black ● Black ● Black ● Black	○ White ○ White ○ White ○ White ○ White ○ White ○ White ○ White ○ White ○ White ○ White ○ White ○ White	● Green ○ White ● Green ○ White ○ White ○ White ○ White ○ White ○ White ○ White ○ White ○ White ○ White	X X X X X X X X X X X X X	X X X X X X X X X X X X X	● Bare ● Orange ● Orange ● Bare ● Bare ● Orange ● Yellow ● Bare ● Yellow ● Yellow ● Bare ● Orange ● Orange
SENSOTEC	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Red	● Black	○ White	● Green	X	X	● Bare
VPG SENSORTRONICS	60001, 60008, 60018, 60030, 60036, 60040, 60048, 60048SS, 60050, 60051, 60060, 60063, 65007, 65016, 65016A, 65016SS, 65016W, 65016WH, 65023A, 65023S, 65023SS, 65024, 65040A, 65040S, 65058A, 65058S, 65061A, 65083, 65083S, 65114 60007, 60064 65088	● Red ● Green ● Green	● Black ● Black ● Black	○ White ○ White ○ White	○ White ● Red ● Red	X X X	X X X	● Bare ● Bare ● Orange
STRAINERT	VARIOUS COLOR CODE COMBINATIONS AVAILABLE	● Red	● Black	● Green	○ White	X	X	● Bare
VPG TEDEA-HUNTLEIGH	4158 3411, 3421 120, 240, 1010, 1015, 1040, 1042, 1140, 1142, 1250, 1260, 1320, 605, 1030, 1240, 1241, 9010, 1130, 1030, 1510, 1260S 220, 355, 620, 3510 1263, 380, 1022	● Red ● Red ● Red ● Green ● Blue ● Green	● Black ● Black ● Black ● Black ● Black ● Black	○ White ○ White ○ White ○ White ○ White ○ White	○ White ○ White ○ White ○ White ○ White ○ White	X X X ● Blue ● Blue ● Green	X X X ● Brown ● Brown ○ Grey	● Bare ● Bare ● Bare ● Bare ● Bare ● Bare
WEIGH-TRONIX	VARIOUS COLOR CODE COMBINATIONS AVAILABLE							

**WIRING GUIDE**  
Available online at  
[ricelake.com/wireapp](http://ricelake.com/wireapp)

### Extended Business Hours

Monday through Friday from 6:30 a.m. to 6:30 p.m.  
Saturday from 8:00 a.m. to 12:00 p.m. Central Time

### Emergency contact information

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### CORPORATE OFFICE

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