

Junction Boxes / Simulators

TABLE OF CONTENTS

| | |
|---|------------|
| Junction Boxes / Simulators | 363 |
| JB4SS | 364 |
| <i>TuffSeal® Signal Trim Junction Box</i> | |
| JB4ES | 365 |
| <i>TuffSeal® Excitation Trim Junction Box</i> | |
| JB4SP and JB4SPT | 366 |
| <i>TuffSeal® Signal Trim Junction Box</i> | |
| JB4EP and JB4EPT | 367 |
| <i>TuffSeal® Excitation Trim Junction Box</i> | |
| EL204 | 368 |
| <i>Signal Trim Junction Box</i> | |
| EL504 | 369 |
| <i>Signal Trim Junction Box</i> | |
| JB8SP | 370 |
| <i>TuffSeal® Signal Trim Junction Box</i> | |
| JB8SPT | 371 |
| <i>TuffSeal® Signal Trim Junction Box</i> | |
| EL304A | 372 |
| <i>Signal Trim Junction Box</i> | |
| JB1010T | 373 |
| <i>Signal/Excitation Trim Junction Box</i> | |
| JB1010ST | 374 |
| <i>Signal Trim Junction Box</i> | |
| Replacement Junction Boxes, Boards or Components | 375 |
| iQUBE2® | 376 |
| <i>Digital Diagnostic Junction Box</i> | |
| iQUBE3 | 378 |
| <i>Digital Diagnostic Junction Box</i> | |
| EL168 | 380 |
| <i>1-Cell Junction Splice Box</i> | |
| TP75 DC | 380 |
| <i>Transient Protection</i> | |
| UJB3T6 DC | 381 |
| <i>Transient Protection</i> | |
| TP232 | 382 |
| Ranger 1 | 382 |
| <i>Variable Range Simulator</i> | |
| Ranger 3 | 383 |
| <i>Variable Range Simulator</i> | |
| Ranger 5 | 383 |
| <i>Variable Range Simulator</i> | |
| Ranger 7 | 384 |
| <i>Variable Range Simulator</i> | |
| Transducer Simulator 4 | 384 |

JUNCTION BOXES /
SIMULATORS

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JB4SS

TuffSeal® Signal Trim Junction Box



Approvals



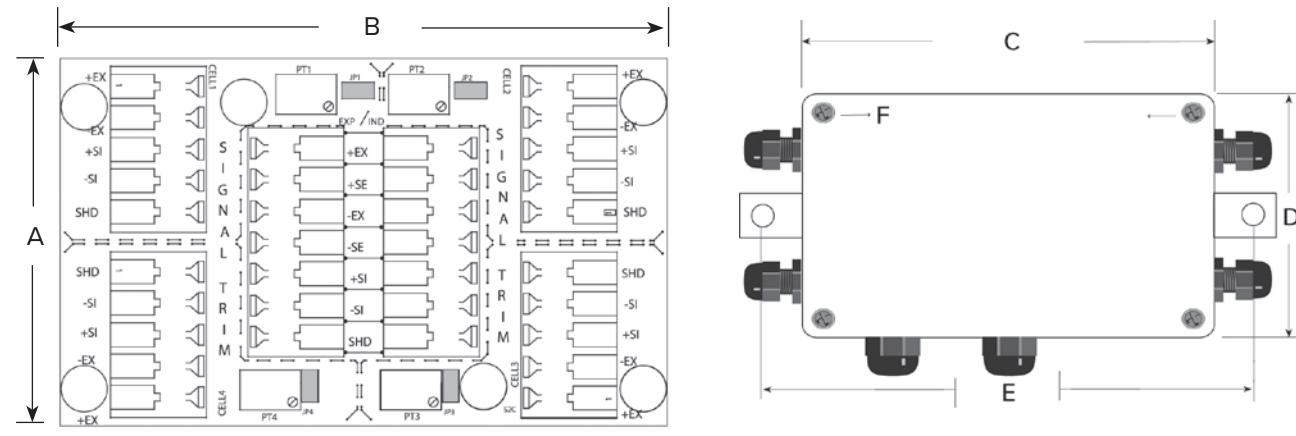
Part Number/Price

| Part # | Description | Price |
|---------------|---|----------|
| 88956 | JB4SS signal trim junction box with PG7 cord grips for load cells | \$295.00 |
| 107700 | JB4SS signal trim junction box with PG9 cord grips for load cells | \$310.00 |
| 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.

Dimensions

| JB4SS | | | |
|-------|---------|---|-------------|
| A | 2.30 in | E | 6.55 in |
| B | 3.80 in | F | 0.25 in (4) |
| C | 5.75 in | G | 1.60 in |
| D | 4.00 in | | |



Standard Features

- Stainless steel, NEMA Type 4X enclosure
- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Connect 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 in strain relief
- (2) PG11 0.197 to 0.394 in strain relief

P/N 107700:

- (4) PG9 0.138 to 0.315 in strain relief
- (2) PG11 0.197 to 0.394 in strain relief

Rating/Material:

NEMA Type 4X
Stainless steel

Connectors:

Spring clamp screwless, 12 to 28 AWG

Trimming:

Individual cell, signal trim

Temperature:

Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turn cermet

Circuit Board:

3.8 x 2.3 in, with conformal coating

Warranty:

One-year limited

Approvals:

cFMus



Approvals



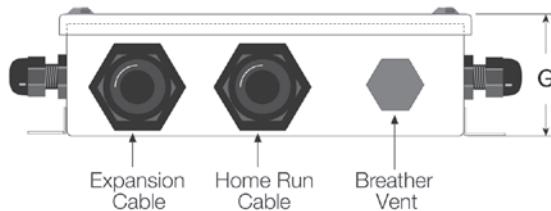
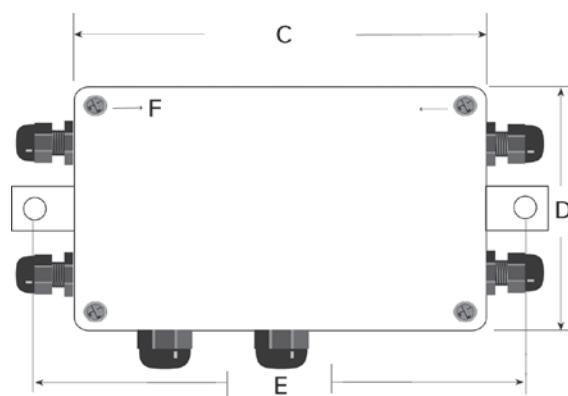
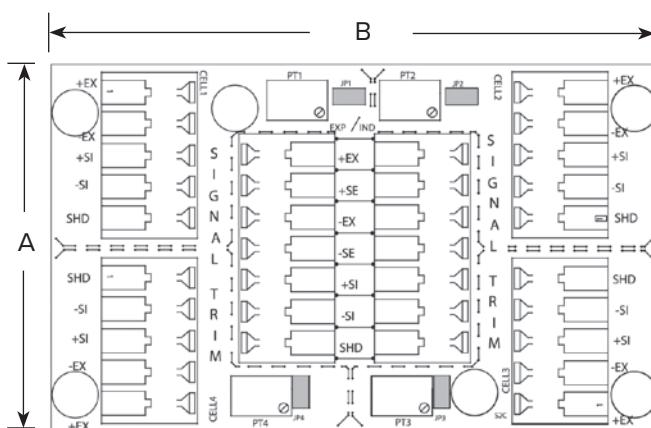
Part Number/Price

| Part # | Description | Price |
|--------|---|----------|
| 91779 | JB4ES excitation trim junction box | \$295.00 |
| 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.

Dimensions

| JB4ES | |
|-------|---------|
| A | 2.30 in |
| B | 3.80 in |
| C | 5.75 in |
| D | 4.00 in |


 JUNCTION BOXES /
SIMULATORS

JB4SP and JB4SPT

TuffSeal® Signal Trim Junction Box



Approvals



PN 92762

Not FM approved

Part Number/Price

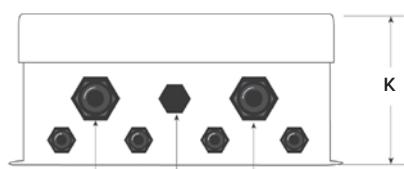
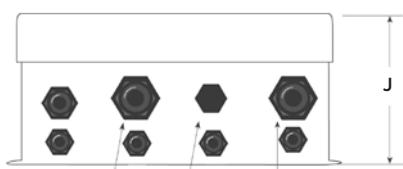
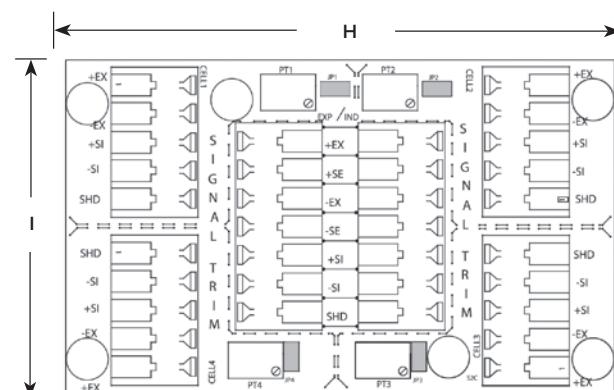
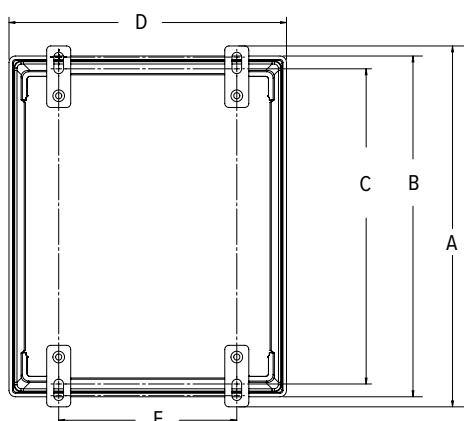
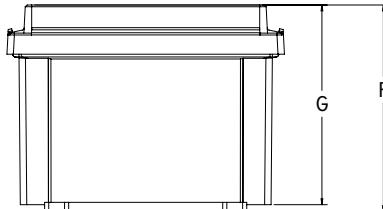
| Part # | Description | Price |
|--------|--|----------|
| 91780 | JB4SP signal trim four-channel with expansion | \$310.00 |
| 92762 | JB4SPT signal trim with transient protection (not FM approved) | \$495.00 |
| 88958 | Board only | \$175.00 |
| 89894 | Transient board | \$235.00 |
| 165272 | Enclosure 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

JB4SP and JB4SPT

| | | | | | |
|---|----------|---|---------|---|---------|
| A | 10.04 in | E | 4.00 in | I | 2.30 in |
| B | 9.52 in | F | 5.95 in | J | 5.95 in |
| C | 8.50 in | G | 5.71 in | K | 5.95 in |
| D | 7.43 in | H | 3.80 in | | |



Standard Features

- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Connect two, three or four single load cells
- Expansion port

Applications

- Tank and hopper scales

Specifications

Cable Fittings:

- (4) PG7 0.118 to 0.255 in strain relief
- (2) PG11 0.197 to 0.394 in strain relief

Rating/Material:

- NEMA Type 4X
- Polycarbonate with overlapping solid cover, stainless steel screws

Connectors:

- Spring clamp screwless, 12 to 28 AWG

Trimming:

- Individual cell, signal trim

Temperature:

- Operating: 0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

- 100,000 ohm, 25-turn cermet

Circuit Board:

- 3.8 x 2.3 in, with conformal coating

Warranty:

- One-year limited

Approvals:

- cFMus

JB4EP and JB4EPT

TuffSeal® Excitation Trim Junction Box



Photo of JB4EP



Approvals



Part Number/Price

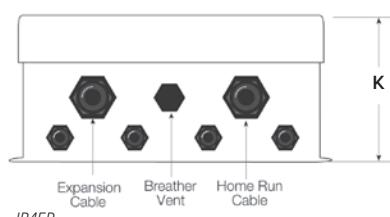
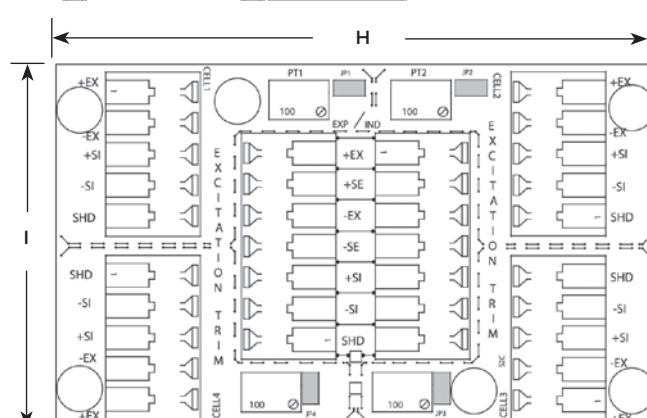
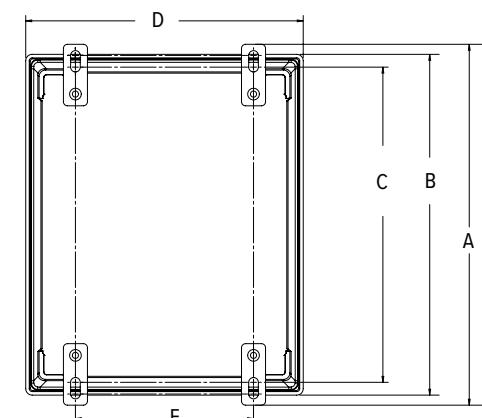
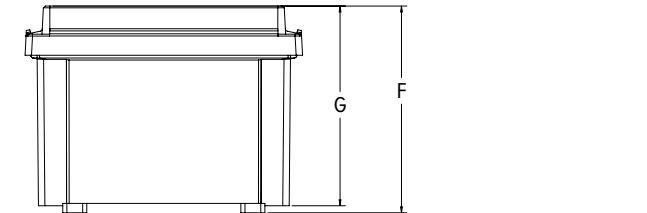
| Part # | Description | Price |
|--------|---|----------|
| 91781 | JB4EP excitation trim junction box | \$310.00 |
| 92763 | JB4EPT excitation trim junction box with transient protection | \$495.00 |
| 89446 | Board only | \$170.00 |
| 89894 | Transient board | \$235.00 |
| 165272 | Enclosure only (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

JB4EP and JB4EPT

| | | | | | |
|---|----------|---|---------|---|---------|
| A | 10.04 in | E | 4.00 in | I | 2.30 in |
| B | 9.52 in | F | 5.95 in | J | 5.95 in |
| C | 8.50 in | G | 5.71 in | K | 5.95 in |
| D | 7.43 in | H | 3.80 in | | |



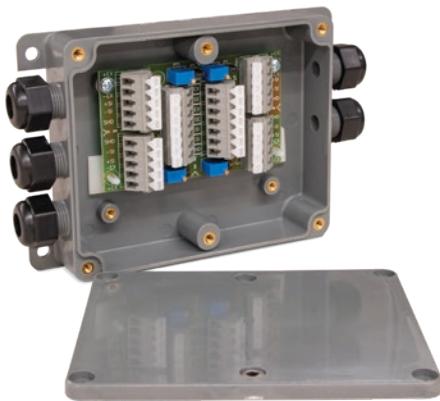
JB4EPT

Load Cell
Cord Grips
on Bottom

JUNCTION BOXES /
SIMULATORS

EL204

Signal Trim Junction Box



Part Number/Price

| Part # | Description | Price |
|--------|--------------------|----------|
| 73428 | EL204 junction box | \$245.00 |
| 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.

Dimensions

| EL204 | | | | | |
|-------|---------|---|---------|--|--|
| A | 4.50 in | D | 6.59 in | | |
| B | 3.75 in | E | 5.50 in | | |
| C | 6.00 in | F | 1.34 in | | |

Standard Features

- ABS enclosure with molded-in cable fittings
- Connect two, three or four single load cells

Applications

- Floor, hopper, tank or livestock applications

Specifications

Cable Fittings:

Five water tight nylon compression fittings,
0.210 x 0.280 in

Enclosure:

ABS with molded through-fittings,
sealed six-screw lid

Connectors:

Spring clamp screwless, 12 to 28 AWG

Trimming:

Individual cell, signal trim

Temperature:

Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

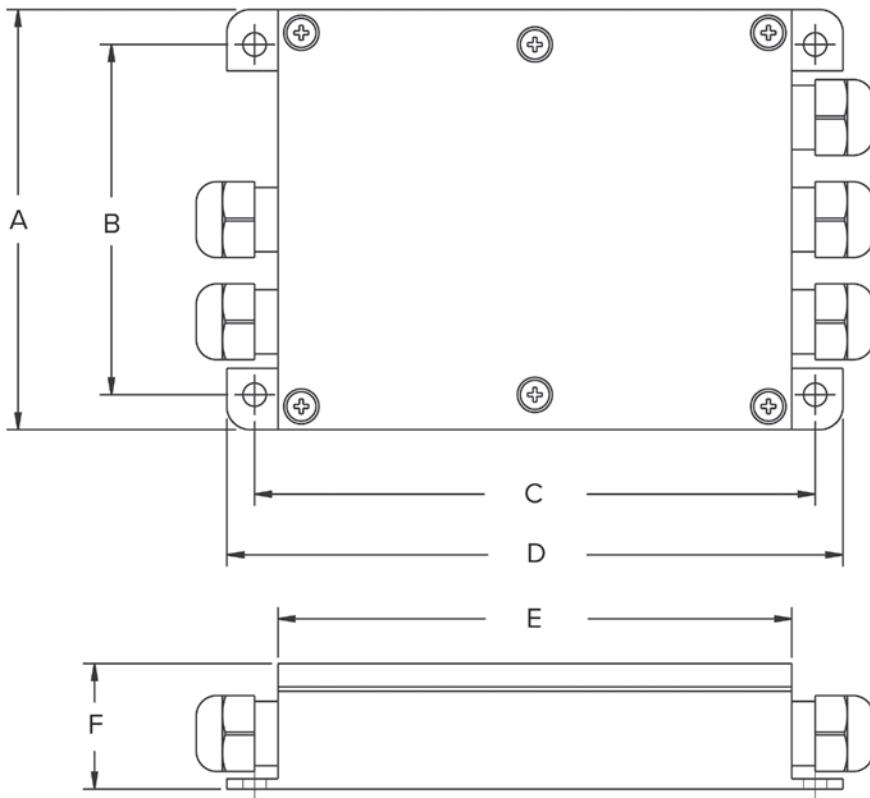
100,000 ohm, 25-turn cermet

Circuit Board:

3.8 x 2.3 in, with conformal coating

Warranty:

One-year limited





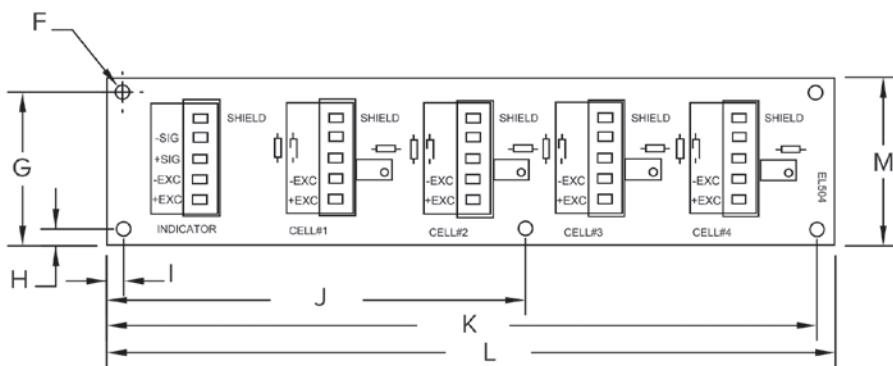
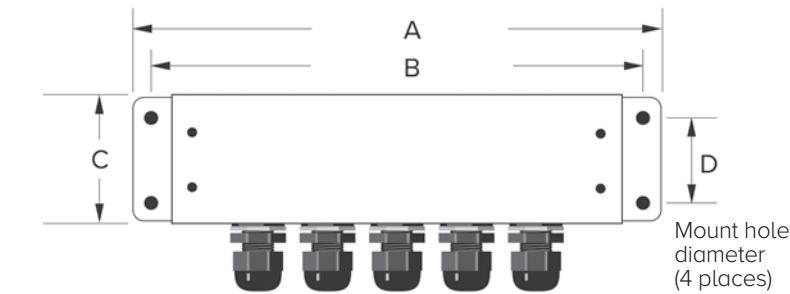
Part Number/Price

| Part # | Description | Price |
|--------|--|----------|
| 21165 | EL504 signal trim junction box | \$425.00 |
| 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.

Dimensions

| EL504 | | | | | |
|-------|---------|---|-------------------|---|---------|
| A | 9.50 in | F | 0.14 in thru type | K | 6.33 in |
| B | 8.80 in | G | 1.37 in | L | 6.50 in |
| C | 2.40 in | H | 0.15 in | M | 1.50 in |
| D | 1.50 in | I | 0.15 in | | |
| E | 2.30 in | J | 3.73 in | | |



Standard Features

- Strain relief cable fittings
- Removable connectors for easy wiring
- Connect two or four single load cells (even number of load cells only)

Applications

- Truck and floor scales
- Limited space installations

Specifications

Cable Fittings:

Five nylon 0.187 to 0.312 in cable strain reliefs

Rating/Material:

NEMA Type 4X, 40 psi washdown

Stainless steel

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, signal trim

Temperature:

Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turn cermet

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 | \$495.00 |
| 173807 | JB8SP signal trim eight-channel with expansion, FM approved | \$525.00 |
| 89889 | Board only | \$395.00 |
| 172415 | Board only, FM approved | \$425.00 |
| 165273 | Enclosure only (does not include cord grips and filter) | \$175.00 |

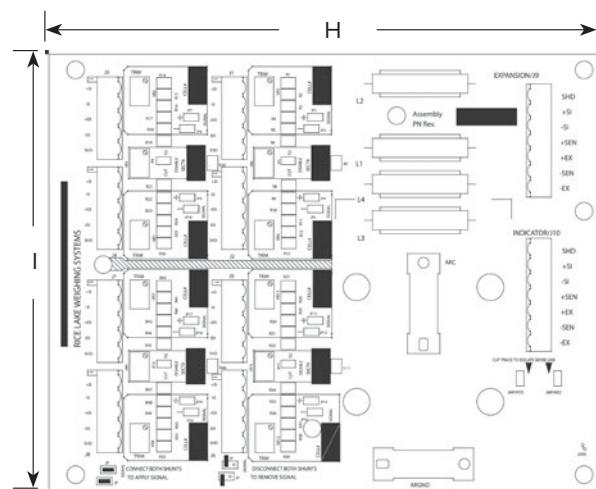
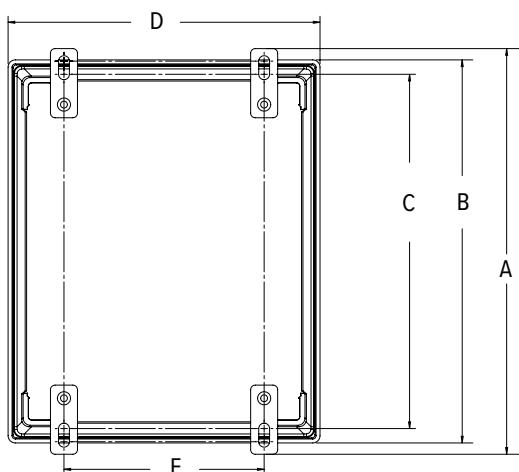
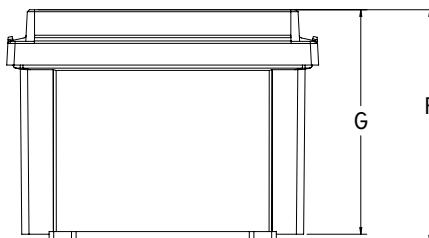
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Options/Accessories

| Part # | Description | Price |
|--------|--|---------|
| 215178 | Mounting tabs-new style (set of 4, includes screws), polycarbonate | \$15.00 |
| 92734 | Coupling, 1/2-in NPT cord grip to 3/4-in NPT conduit fitting | \$27.00 |
| 92735 | Coupling, 3/8-in NPT cord grip to 3/4-in NPT conduit fitting | \$27.00 |

Dimensions

| JB8SP | |
|-------|----------|
| A | 12.13 in |
| B | 11.45 in |
| C | 11.38 in |
| D | 10.59 in |
| E | 9.32 in |
| F | 5.98 in |
| G | 6.95 in |
| H | 7.20 in |
| I | 5.70 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
- Connect 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, range trim

Temperature:

Operating:

0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25 turn cermet

Circuit Board:

5.7 x 7.2 in with conformal coating

Warranty:

One-year limited

Approvals:

cFMus



Part Number/Price

| Part # | Description | Price |
|--------|---|----------|
| 91783 | JB8SPT signal trim junction box with transient protection | \$700.00 |
| 89889 | Board only | \$395.00 |
| 89894 | Transient board | \$235.00 |
| 165273 | Enclosure only (does not include cord grips and filter) | \$175.00 |

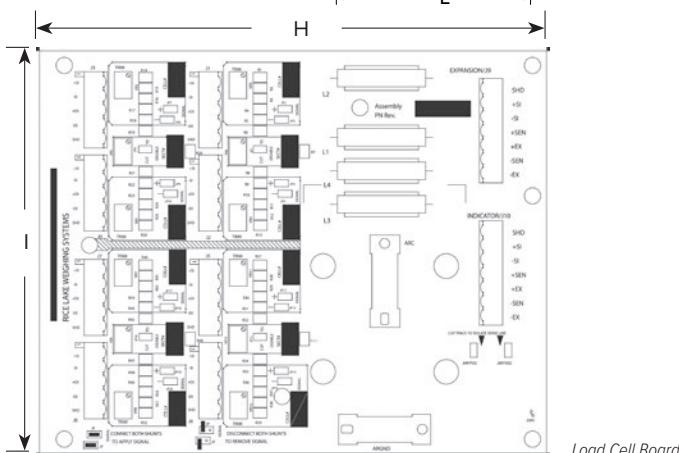
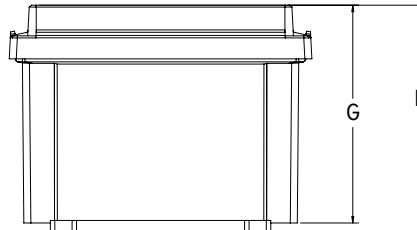
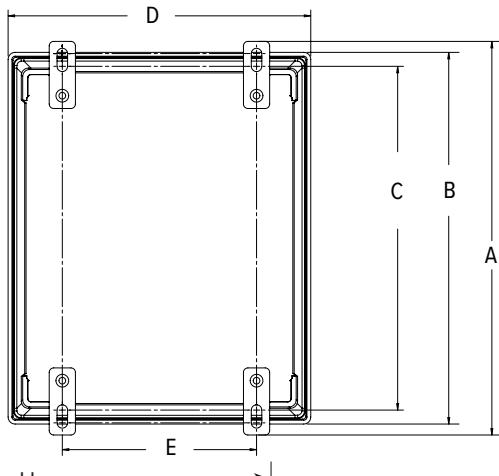
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Options/Accessories

| Part # | Description | Price |
|--------|--|---------|
| 215178 | Mounting tabs-new style (set of 4, includes screws), polycarbonate | \$15.00 |
| 92734 | Coupling, 1/2-in NPT cord grip to 3/4-in NPT conduit fitting | \$27.00 |
| 92735 | Coupling, 3/8-in NPT cord grip to 3/4-in NPT conduit fitting | \$27.00 |

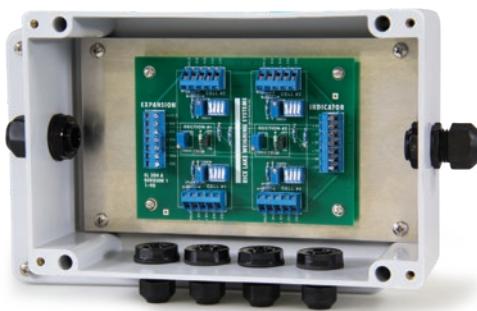
Dimensions

| JB8SP | |
|-------|----------|
| A | 12.13 in |
| B | 11.45 in |
| C | 11.38 in |
| D | 10.59 in |
| E | 9.32 in |
| F | 5.98 in |
| G | 6.95 in |
| H | 7.20 in |
| I | 5.70 in |
| J | 3.80 in |
| K | 2.30 in |



EL304A

Signal Trim Junction Box



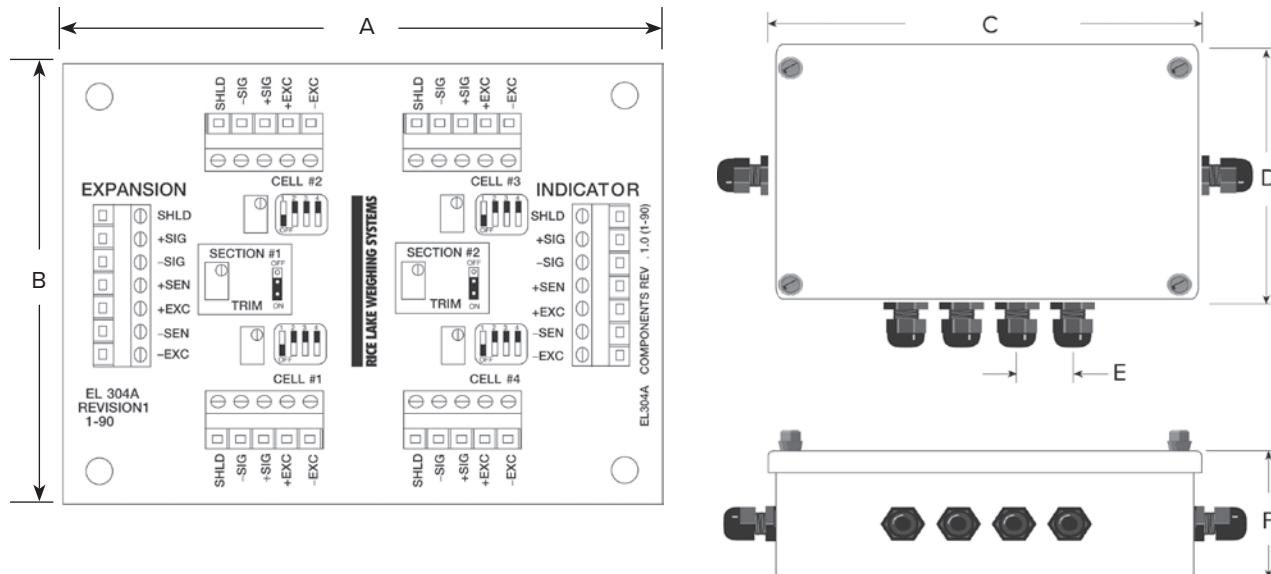
Part Number/Price

| Part # | Description | Price |
|--------|--|----------|
| 21169 | EL304A signal trim four-channel junction box | \$350.00 |
| 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.

Dimensions

| EL304A | | | | | |
|--------|---------|---|---------|--|--|
| A | 5.50 in | D | 6.62 in | | |
| B | 4.00 in | E | 1.38 in | | |
| C | 9.88 in | F | 3.25 in | | |



Standard Features

- Strain relief cable fittings
- Individual cell signal disconnect switches
- Connect 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

Rating/Material:

NEMA Type 4X, 40 psi washdown

Fiberglass Reinforced Polyester (FRP)

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

Warranty:

One-year limited



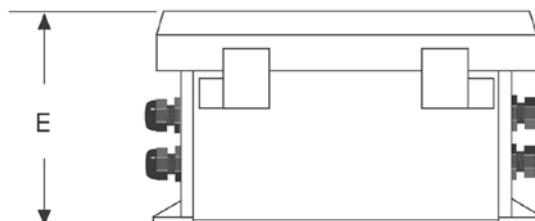
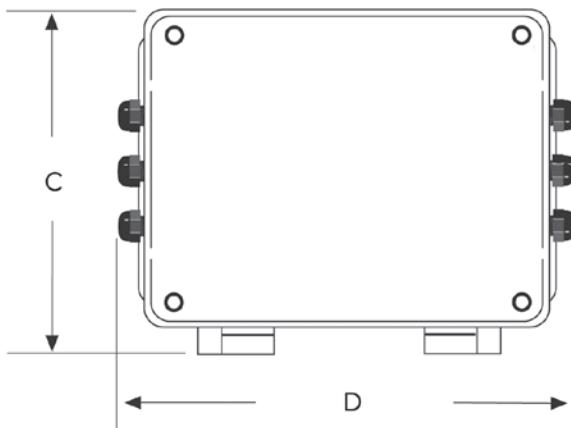
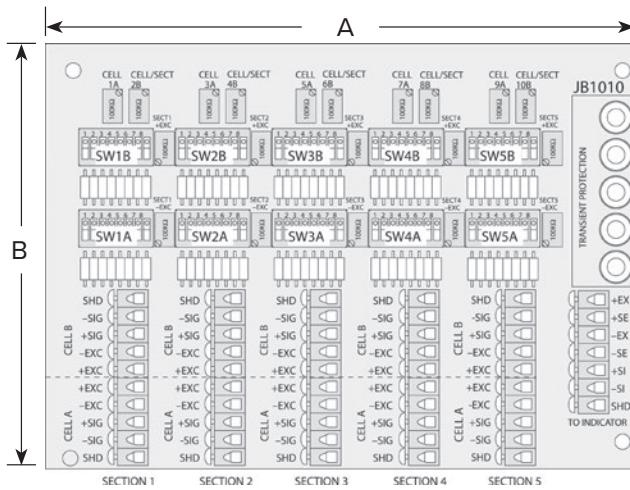
Part Number/Price

| 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.

Dimensions

| JB1010T |
|------------|
| A 6.75 in |
| B 4.75 in |
| C 7.88 in |
| D 10.75 in |
| E 5.00 in |



Standard Features

- Transient protection
- Signal or excitation trim
- Front panel mounting
- Strain relief cable fittings
- Connect up to 10 single load cells
- 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

Cable Fittings:

Nylon waterproof strain-relief type

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

Trimming:

Individual cell, section signal and excitation trim

Temperature:

Operating:

0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turns cermet

Mounting Centers:

3.75 × 2.31 in (95.2 × 58.7 mm)

Cable Diameter:

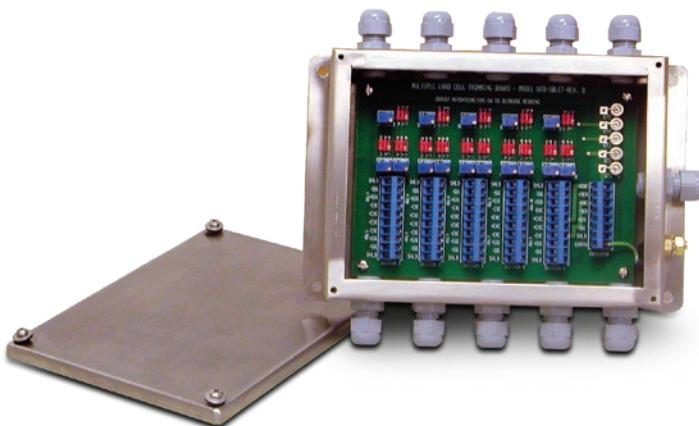
0.079 to 0.314 in

Warranty:

One-year limited

JB1010ST

Signal Trim Junction Box



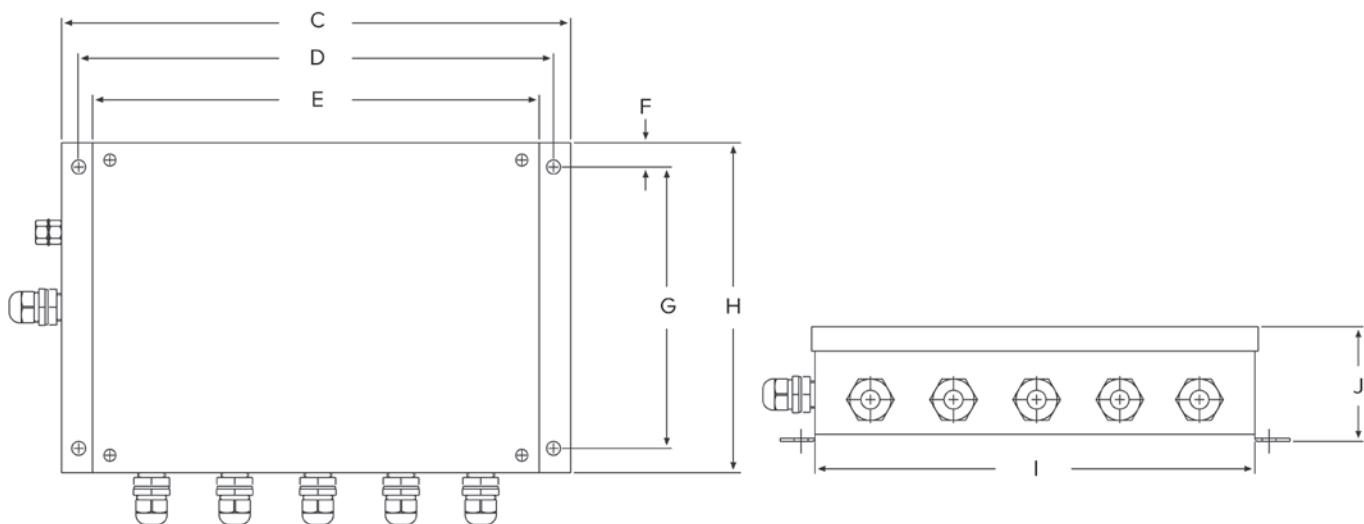
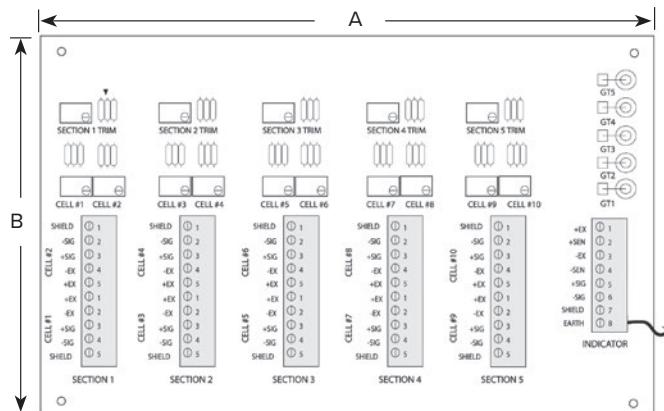
Part Number/Price

| 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.

Dimensions

| JB1010ST | |
|----------|---------|
| A | 6.75 in |
| B | 4.75 in |
| C | 9.19 in |
| D | 8.58 in |
| E | 8.06 in |
| F | 0.44 in |
| G | 5.19 in |
| H | 5.94 in |
| I | 7.94 in |
| J | 2.06 in |



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
- Connect two, four, six, eight or 10 single load cells (even number of load cells only)
- 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:

Eleven nylon 0.079 to 0.314 in cable strain reliefs

Rating/Material:

NEMA Type 4X

Stainless steel

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

Temperature:

Operating:

0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turn cermet, individual trim

100 ohm, for section trimming

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 | 88956 \$295.00 | 88958 \$175.00 | 58983=PG7 , \$5.00 59001=PG11 \$3.70 | 88733 Prevent™ breather (vent) \$22.00 88734 (vent nut) \$1.05 | 92240 \$1.20 |
| JB4ES | 91779 \$295.00 | 89446 \$170.00 | 58983=PG7 , \$5.00 59001=PG11 \$3.70 | 88733 Prevent™ breather (vent) \$22.00 88734 (vent nut) \$1.05 | 92240 \$1.20 |
| JB4SP JB4SPT | 91780 \$310.00 92762 \$495.00 | 88958 (load cell) \$175.00 & 89894 (transient protection) \$235.00 | 58983=PG7 , \$5.00 59001=PG11 \$3.70 | 88733 Prevent™ breather (vent) \$22.00 88734 (vent nut) \$1.05 | 16039 \$2.30 |
| JB4EP JB4EPT | 91781 \$310.00 92763 \$495.00 | 89446 (load cell) \$170.00 & 89894 (transient protection) \$235.00 | 58983=PG7 , \$5.00 59001=PG11 \$3.70 | 88733 Prevent™ breather (vent) \$22.00 88734 (vent nut) \$1.05 | 16039 \$2.30 |
| EL204 | 73428 \$245.00 | 88958 \$175.00 | N/A | N/A | N/A |
| JB8SP | 91782 \$495.00 173807 FM approved \$525.00 | 89889 \$395.00 172415 FM approved \$425.00 | 15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8in NPT 15628 (cord grip) \$5.00 & 15630 (nut) \$3.00 =1/2in NPT | 88733 Prevent™ breather (vent) \$22.00 88734 (vent nut) \$1.05 | 16039 \$2.30 |
| JB8SPT | 91783 \$700.00 | 89889 (load cell) \$395.00 & 89894 (transient protection) \$235.00 | 15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8in NPT 15628 (cord grip) \$5.00 & 15630 (nut) \$3.00 =1/2in NPT | 88733 Prevent™ breather (vent) \$22.00 88734 (vent nut) \$1.05 | 16039 \$2.30 |
| EL304A | 21169 \$350.00 | 21301 \$235.00 | N/A | N/A | N/A |
| JB1010 | 36231 \$685.00 | 36351 \$475.00 | N/A | N/A | N/A |
| JB1010ST | 68813 \$615.00 | 68811 \$465.00 | N/A | N/A | N/A |
| EL210 | 91781 , JB4EP* \$310.00 | 92472 \$155.00 | 58983=PG7 , \$5.00 59001=PG11 \$3.70 | N/A | N/A |
| EL211A | 91780 , JB4SP* \$310.00 (However the board does not have section trim capabilities) | 92473 , \$160.00 However the board does not have section trim capabilities | 58983=PG7 , \$5.00 59001=PG11 \$3.70 | N/A | N/A |
| EL604-AL | 88956 , JB4SS* \$295.00 | 88958 \$175.00 | 58983=PG7 , \$5.00 59001=PG11 \$3.70 | N/A | N/A |
| EL604STA | 88956 , JB4SS* \$295.00 | 88958 \$175.00 | 58983=PG7 , \$5.00 59001=PG11 \$3.70 | N/A | N/A |
| EL604ETA | 91779 , JB4ES* \$295.00 | 89446 \$170.00 | 58983=PG7 , \$5.00 59001=PG11 \$3.70 | N/A | N/A |
| EL504 | 21165 \$425.00 | 21296 \$275.00 | N/A | N/A | N/A |
| JB808S | 91782 , JB8SP* \$495.00 | 92471 \$385.00 | 15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8in NPT 15628 (cord grip) \$5.00 & 15630 (nut) \$3.00 =1/2in NPT | N/A | N/A |
| JB818ST | 91783 , JB8SPT* \$700.00 | Need (1) 77445 \$68.00 (1) 89889 \$395.00, & (1) 89894 \$235.00 | 15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8in NPT 15628 (cord grip) \$5.00 & 15630 (nut) \$3.00 =1/2in NPT | N/A | N/A |

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**JUNCTION BOXES /
SIMULATORS**

*See catalog pages for enclosure dimensions

iQUBE²®

Digital Diagnostic Junction Box



Approvals



Standard Features

- iQUBE² 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[®] 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[®], 1280, VIRTU² using ASCII (EDP) serial commands

Applications

- Truck, railroad, tank and hopper scales
- Multi-channel scales

Specifications

Voltage Input:

115/230 VAC power supply
DC/DC converter for 9 to 36 V
6 to 12 VDC 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

Rating/Material:

Polycarbonate (NEMA Type 4X) enclosure with overlapping solid cover, stainless steel screws
Stainless steel (NEMA Type 4X) enclosure with hinged cover

Temperature:

Certified: 14 °F to 104 °F (-10 °C to 40 °C)
Operating: -13 °F to 140 °F (-25 °C to 60 °C)

Warranty:

Two-year limited

Approvals:

NTEP 03-032A1
Measurement Canada AM-5561
CE Marked
cULus E151461

Part Number/Price

| Part # | Description | Est. Weight | Price |
|-----------------------------|---|-------------|------------|
| With AC Power Supply | | | |
| 108425* | iQUBE ² , four-channel, polycarbonate small junction box | 9 lb | \$1,365.00 |
| 108426 | iQUBE ² , four-channel, polycarbonate large junction box | 11 lb | \$1,575.00 |
| 108427 | iQUBE ² , eight-channel, polycarbonate large junction box | 11 lb | \$2,625.00 |
| 108428 | iQUBE ² , four-channel, stainless steel small junction box | 13 lb | \$2,573.00 |
| Without Power Supply | | | |
| 108429* | iQUBE ² , four-channel, polycarbonate small junction box | 8 lb | \$1,260.00 |
| 108430 | iQUBE ² , four-channel, polycarbonate large junction box | 10 lb | \$1,470.00 |
| 108431 | iQUBE ² , eight-channel, polycarbonate large junction box | 10 lb | \$2,520.00 |
| 108432 | iQUBE ² , four-channel, stainless steel small junction box | 12 lb | \$2,468.00 |
| Conduit Adapters | | | |
| 92734 | Conduit adapter 3/8 in NTP to 3/4 in NPT | | \$27.00 |
| 92735 | Conduit adapter 1/2 in NTP to 3/4 in NPT | | \$27.00 |

*Enclosure size 8 x 10in required for truck scale junction box pocket

Options/Accessories

| Part # | Description | Price |
|---------------|--|------------|
| 108433 | Four-channel iQUBE ² board with cables and connectors | \$1,050.00 |
| 97475 | DC/DC power supply, 9 to 36 VDC (requires factory installation) | \$255.00 |
| 108434 | Remote power supply 115/230 VAC and transient board with enclosure | \$473.00 |
| 109396 | Transient board | \$95.00 |
| 110949 | Transient board with mount | \$116.00 |
| 161954 | Hotspot in polycarbonate enclosure | \$3,195.00 |
| 215178 | Mounting tabs-new style (set of 4, includes screws), polycarbonate | \$15.00 |

Options/Accessories

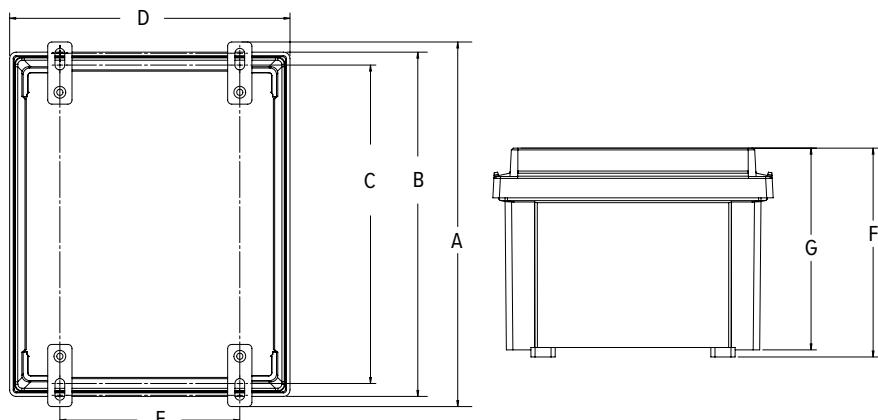
| Part # | Description | Price |
|---|---|------------|
| Communication Card | | |
| 108579 | RS-232/RS-485 port | \$300.00 |
| 77142 | Ethernet TCP/IP | \$545.00 |
| 206272 | Wireless LAN 802.11 A/B | \$610.00 |
| 93245 | USB port | \$225.00 |
| 77143 | Fiber-optic board | \$231.00 |
| 77788 | Fiber-optic board (installed in 920i) | \$235.00 |
| Duplex Fiber (Max Run 350 ft) | | |
| 78026 | Fiber-optic cable, 100 ft | \$185.00 |
| 78027 | Fiber-optic cable, 200 ft | \$350.00 |
| 78910 | Fiber-optic cable, custom length | \$1.85/ft |
| Home Run Cable | | |
| 116587 | EL166 16 gauge, six conductor, shielded | \$2.65/ft |
| Software | | |
| 108436 | VIRTUi ² activation part number | \$578.00 |
| 112262 | Firmware update flash cable | \$69.00 |
| 920i® Indicators for use with iQUBE², requires version 4 software | | |
| 77790 | 920i Universal, 115 VAC, without A/D | \$3,195.00 |
| 77791 | 920i Universal, 230 VAC, without A/D | \$3,195.00 |
| 93243 | 920i Deep Universal, 115 VAC, without A/D | \$3,445.00 |
| 93244 | 920i Deep Universal, 230 VAC, without A/D | \$3,445.00 |
| 77792 | 920i Panel Mount, 115 VAC, without A/D | \$3,195.00 |
| 77793 | 920i Panel Mount, 230 VAC, without A/D | \$3,195.00 |
| 77794 | 920i Wall Mount, 115 VAC, without A/D | \$4,095.00 |
| 77795 | 920i Wall Mount, 230 VAC, without A/D | \$4,095.00 |
| 1280 Indicators for use with iQUBE² | | |
| 189623 | 1280 7 inch touch-only, AC power supply, no power cord, standard display, without A/D | \$3,180.00 |
| 188526 | 1280 7 inch touch-only, AC power supply, no power cord, high visibility display, without A/D | \$3,280.00 |
| 188395 | 1280 12 inch touch-only, AC power supply, no power cord, high visibility display, without A/D | \$4,345.00 |
| 181073 | 1280 Panel Mount, DC power supply, no power cord, standard display, without A/D | \$3,180.00 |
| 178473 | 1280 Panel Mount, AC power supply, no power cord, high visibility display, without A/D | \$3,280.00 |
| 205677 | 1280 Wall Mount, AC power supply, U.S. power cord, standard display, without A/D | \$3,780.00 |
| 171667 | 1280 Wall Mount, AC power supply, U.S. power cord, high visibility display, without A/D | \$3,880.00 |
| 174750 | 1280 Panel Mount, AC power supply, no power cord, standard display, without A/D | \$3,180.00 |
| 174207 | 1280 Universal, AC power supply, Europe power cord, standard display, without A/D | \$3,380.00 |
| 171582 | 1280 Universal, AC power supply, U.S. power cord, standard display, without A/D | \$3,380.00 |
| 188713 | 1280 Universal, DC power supply, no power cord, standard display, without A/D | \$3,380.00 |
| 171540 | 1280 Universal, DC power supply, no power cord, high visibility display, without A/D | \$3,480.00 |
| 172419 | 1280 Universal, AC power supply, U.S. power cord, high visibility display, without A/D | \$3,480.00 |

Dimensions

iQUBE²

Stainless Steel

| | | | |
|---|-------------------|---|------------------|
| A | 13.50 in (343 mm) | E | 8.00 in (203 mm) |
| B | 12.28 in (312 mm) | F | 6.29 in (160 mm) |
| C | 12.75 in (324 mm) | G | 6.20 in (157 mm) |
| D | 10.28 in (261 mm) | | |



Polycarbonate Small

| | | | |
|---|-----------------------------------|---|------------------|
| A | 12.13 in (308 mm) | E | 5.98 in (152 mm) |
| B | 11.45 in (291 mm) | F | 6.95 in (176 mm) |
| C | 10.51 to 11.30 in (267 to 287 mm) | G | 6.71 in (170 mm) |
| D | 9.32 in (236.84 mm) | | |

Polycarbonate Large

| | | | |
|---|-----------------------------------|---|------------------|
| A | 14.13 in (359 mm) | E | 7.99 in (203 mm) |
| B | 13.46 in (341 mm) | F | 7.02 in (178 mm) |
| C | 12.52 to 13.31 in (318 to 338 mm) | G | 6.79 in (172 mm) |
| D | 11.36 in (289 mm) | | |

iQUBE³

Digital Diagnostic Junction Box

NEW



Approvals



Standard Features

- Designed for weighing systems using the 1280 Enterprise™ Series indicator
- iQUBE³ CPU board: Four A/D channels, SD Slot, RS232/485, four DIOs, Ethernet TCP/IP (wired), USB-C
- iQUBE³ CPU board supports networking up to five iQUBE³ four-channel boards (four A/D channels each), for a total of 24 A/D channels; connection can be up to four separate scales and a system total
- Diagnostic routines for weighing errors and system health
- Additional diagnostics for overloaded, underloaded, zero reference, drift, noise and unbalanced conditions
- Onboard status LEDs for communication and visual bi-color indication of load cell health
- Load cell emulator compensates for a failed load cell
- Cal-Match® algorithm automatically trims and calibrates the scale in one pass of test weights (stopping over each load cell)
- Two options available

Part Number/Price

| Part # | Description | Est. Weight | Price |
|-----------------------------|--|-------------|------------|
| With AC Power Supply | | | |
| 227157* | iQUBE ³ , four-channel, polycarbonate small junction box | 9 lb | \$1,465.00 |
| 227158 | iQUBE ³ , four-channel, polycarbonate large junction box | 11 lb | \$1,675.00 |
| 227159 | iQUBE ³ , eight-channel, polycarbonate large junction box | 11 lb | \$2,725.00 |
| 227160 | iQUBE ³ , four-channel, stainless steel small junction box | 13 lb | \$2,673.00 |
| With DC Power Supply | | | |
| 227165 | iQUBE3, Four-channel, polycarbonate small junction box with transient protection | 9 lb | \$1,615.00 |
| 227166 | iQUBE3, Four-channel, polycarbonate large junction box with transient protection | 11 lb | \$1,825.00 |
| 227167 | iQUBE3, Eight-channel, polycarbonate large junction box with transient protection | 11 lb | \$2,875.00 |
| 227168 | iQUBE3, Four-channel, stainless steel small junction box with Transient protection | 13 lb | \$3,150.00 |
| Without Power Supply | | | |
| 227161* | iQUBE ³ , four-channel, polycarbonate small junction box | 8 lb | \$1,360.00 |
| 227162 | iQUBE ³ , four-channel, polycarbonate large junction box | 10 lb | \$1,570.00 |
| 227163 | iQUBE ³ , eight-channel, polycarbonate large junction box | 10 lb | \$2,620.00 |
| 227164 | iQUBE ³ , four-channel, stainless steel small junction box | 12 lb | \$2,568.00 |

*Small iQUBE³ required for truck scale junction box pocket.

Options

- Fiber optic
- Analog output: 16-bit resolution, 0 to 10 VDC, 0 to 20 mA, 4 to 20 mA
- Relay or Serial (two RS-232 or RS-422/485)
- Bridge resistance board

Applications

- Truck and railroad scales
- Tank and hopper scales
- Multi-channel scales

Specifications

Voltage Input:

AC voltage: 100 to 240 VAC; 50/60 Hz
DC voltage: 9 to 36 VDC

Analog Signal Input Range:

-51 to +51 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
24 mA per DIO at 5 V

Communication Ports:

RS-232/RS-422/485
USB-C
Ethernet TCP/IP, wired standard
Ethernet TCP/IP, optional wireless

Load Cell Inputs:

Connect up to 24 load cells (four, per board)

Load Cell Excitation:

3.3 VDC, 38 mA maximum per channel
Up to 24 × 350 ohm load cells

Rating/Material:

Polycarbonate (NEMA Type 4X) enclosure
Stainless steel (NEMA Type 4X) enclosure with hinged cover

Temperature:

Certified: 14 °F to 104 °F (-10 °C to 40 °C)
Operating: -40 °F to 140 °F (-40 °C to 60 °C)
Storage: -40 °F to 158 °F (-40 °C to 70 °C)

Warranty:

Two-year limited

Approvals:

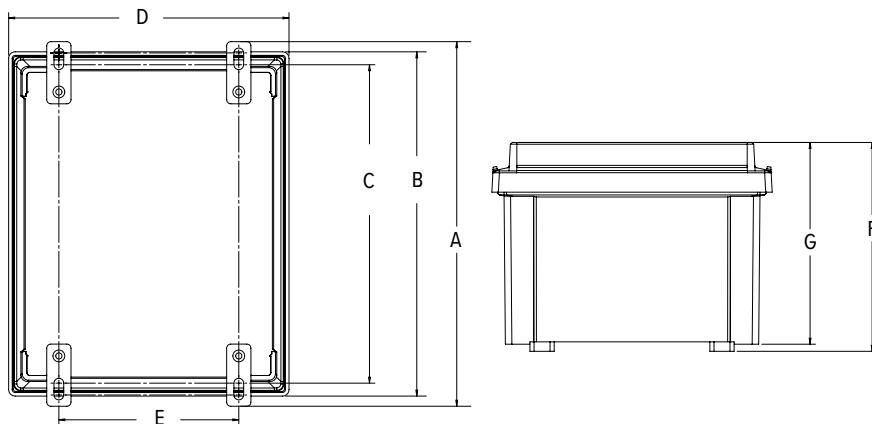
NTEP 25-041
Measurement Canada (pending)
cULus (pending)
CE Marked (pending)

Options/Accessories

| Part # | Description | Price |
|---|---|------------|
| 231373 | iQUBE ³ CPU Board, Four-channel with cables and connectors | \$1,200.00 |
| 227169 | iQUBE ³ 4-Channel Board, Four-channel with cables and connection | \$950.00 |
| 227171 | Power Supply, 115/230VAC Input, 24VDC Output, FRP Enclosure, iQUBE ³ Remote Power | \$473.00 |
| 230935 | Bridge Resistance Card Assembly, 4-channel | \$750.00 |
| 227171 | Remote power supply 115/230 VAC and transient board with enclosure | \$473.00 |
| 232018 | Transient board with mount (only used with multiple enclosures) | \$116.00 |
| 231993 | iQUBE ³ Enclosure, Small, Polycarbonate, Includes Kickstand Bracket | \$525.00 |
| 231994 | iQUBE ³ Enclosure, Large, Polycarbonate, Includes Kickstand Bracket | \$750.00 |
| 231995 | iQUBE ³ Enclosure, Stainless Steel | \$1,750.00 |
| 215178 | Enclosure mounting tabs-new style (set of 4, includes screws), polycarbonate | \$15.00 |
| 195084 | Analog card, kit | \$360.00 |
| 211709 | Relay card, kit | \$360.00 |
| Conduit Adapter | | |
| 92734 | Conduit adapter 1/2 in NPT to 3/4 in NPT | \$27.00 |
| 92735 | Conduit adapter 3/8 in NPT to 3/4 in NPT | \$27.00 |
| Communication Card | | |
| 212668 | 212668 is Fiber optic card, kit | \$250.00 |
| 231366 | Wireless LAN 802.11 A/B (factory install required) | \$250.00 |
| Duplex Fiber (Max Run 500 ft) | | |
| 78026 | Fiber-optic cable, 100 ft (includes polishing kit) | \$185.00 |
| 78027 | Fiber-optic cable, 200 ft (includes polishing kit) | \$350.00 |
| 78910 | Fiber-optic cable, duplex 1.00 mm core 2.2 mm, custom length | \$1.85/ft |
| 1280 Indicators for use with iQUBE³ | | |
| 189623 | 1280 7 inch touch-only, AC power supply, no power cord, standard display, without A/D | \$3,180.00 |
| 188526 | 1280 7 inch touch-only, AC power supply, no power cord, high visibility display, without A/D | \$3,280.00 |
| 188395 | 1280 12 inch touch-only, AC power supply, no power cord, high visibility display, without A/D | \$4,345.00 |
| 181073 | 1280 Panel Mount, DC power supply, no power cord, standard display, without A/D | \$3,180.00 |
| 178473 | 1280 Panel Mount, AC power supply, no power cord, high visibility display, without A/D | \$3,280.00 |
| 205677 | 1280 Wall Mount, AC power supply, U.S. power cord, standard display, without A/D | \$3,780.00 |
| 171667 | 1280 Wall Mount, AC power supply, U.S. power cord, high visibility display, without A/D | \$3,880.00 |
| 174750 | 1280 Panel Mount, AC power supply, no power cord, standard display, without A/D | \$3,180.00 |
| 174207 | 1280 Universal, AC power supply, Europe power cord, standard display, without A/D | \$3,380.00 |
| 171582 | 1280 Universal, AC power supply, U.S. power cord, standard display, without A/D | \$3,380.00 |
| 188713 | 1280 Universal, DC power supply, no power cord, standard display, without A/D | \$3,380.00 |
| 171540 | 1280 Universal, DC power supply, no power cord, high visibility display, without A/D | \$3,480.00 |
| 172419 | 1280 Universal, AC power supply, U.S. power cord, high visibility display, without A/D | \$3,480.00 |

Dimensions

| iQUBE³ | |
|----------------------------|-----------------------------------|
| Stainless Steel | |
| A | 13.50 in (343 mm) |
| B | 12.28 in (312 mm) |
| C | 12.75 in (324 mm) |
| D | 10.28 in (261 mm) |
| Polycarbonate Small | |
| A | 12.13 in (308 mm) |
| B | 11.45 in (291 mm) |
| C | 10.51 to 11.30 in (267 to 287 mm) |
| D | 9.32 in (236.84 mm) |
| Polycarbonate Large | |
| A | 14.13 in (359 mm) |
| B | 13.46 in (341 mm) |
| C | 12.52 to 13.31 in (318 to 338 mm) |
| D | 11.36 in (289 mm) |



EL168

1-Cell Junction Splice Box

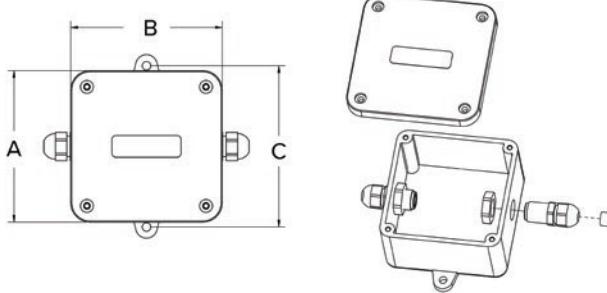


Part Number/Price

| Part # | Description | Price |
|--------|-----------------------------|---------|
| 21161 | EL168 one-cell junction box | \$85.00 |

Dimensions

| EL168 |
|--------------------|
| A 4.38 in (111 mm) |
| B 4.38 in (111 mm) |
| C 4.66 in (118 mm) |



Standard Features

- Non-metallic PVC enclosure with separate input and output cable fittings
- No soldering, compression or swaged fittings are required

Applications

- Splicing or extending load cell cable

Specifications

Dimensions:

(L × W × H)
4.0 × 4.0 × 2.5 in

Temperature:

Operating:
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

JUNCTION BOXES /
SIMULATORS



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

- Truck, railroad, tank, bin and hopper scales
- Suitable for outdoor use

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:

(2) 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

Part Number/Price

| Part # | Description | Price |
|--------|------------------------------|----------|
| 33185 | TP75 DC transient protection | \$340.00 |

Options/Accessories

| Part # | Description | Price |
|--------|--------------------|----------|
| 31164 | Circuit board only | \$265.00 |



Part Number/Price

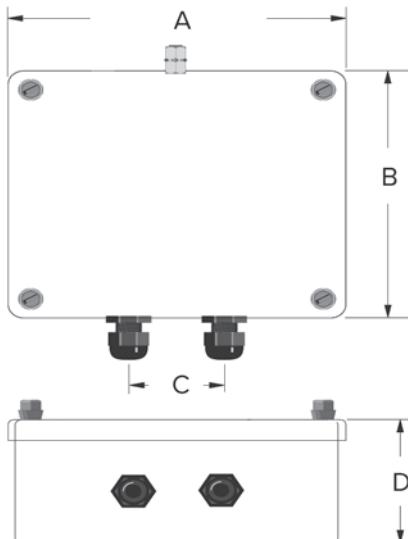
| Part # | Description | Price |
|--------|-------------|----------|
| 21134 | UJB3T6 | \$495.00 |

Options/Accessories

| Part # | Description | Price |
|--------|--|----------|
| 21135 | Six-wire load cell transient protector, board only | \$285.00 |

Dimensions

| UJB3T6 DC | |
|-----------|---------|
| A | 7.63 in |
| B | 6.63 in |
| C | 2.0 in |
| D | 3.25 in |



Standard Features

- Protects load cells from voltage transients
- Compatible with signals down to 1 µV 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
- Environments where serial communication lines and load cells must be protected

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 µH typical

Grounding:

20 ft insulated #10 AWG wire

Cable Fitting:

(2) 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:

Operating:
4 °F to 104 °F (-10 °C to 40 °C)

Circuit Board:

6.75 x 4.75 in with anti-fungal coating

Dimensions:

(L x W x H)
7.63 x 6.63 x 3.25 in

Warranty:

One-year limited

TP232

RS-232 Serial Surge Protection



Approvals



Part Number/Price

| Part # | Description | Price |
|--------|-------------|----------|
| 69201 | TP232 | \$190.00 |

Options/Accessories

| Part # | Description | Price |
|--------|--------------------------------|---------|
| 17778 | 12 in ground strap | \$22.00 |
| 17781 | 24 in ground strap | \$22.00 |
| 69516 | Additional installation manual | \$6.00 |

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 | \$70.00 |

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 and PLCs

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

Clamping Time:< 5×10^{-9} seconds**Temperature:**Operating:
0 °F to 122 °F (-18 °C to 50 °C)**Connectors:**

Five-position terminal blocks

Dimensions:(L × W × H)
Approximately 4.5 × 3.3 × 1.8 in**Warranty:**

One-year limited

Approvals:

CE Listed

Ranger 3

Variable Range Simulator



Part Number/Price

| Part # | Description | Price |
|--------|--------------------|----------|
| 68030 | Ranger 3 simulator | \$425.00 |

Options/Accessories

| Part # | Description | Price |
|--------|--------------------------------|---------|
| 21116 | Cable (4 ft) with banana plugs | \$70.00 |

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 troubleshooting and testing systems

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

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 indicator

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 | \$695.00 |

Options/Accessories

| Part # | Description | Price |
|--------|--------------------------------|---------|
| 21116 | Cable (4 ft) with banana plugs | \$70.00 |

JUNCTION BOXES /
SIMULATORS

Ranger 7

Variable Range Simulator



Part Number/Price

| Part # | Description | Price |
|--------|--|------------|
| 157323 | Ranger 7 high resolution calibration simulator | \$1,050.00 |

Options/Accessories

| Part # | Description | Price |
|--------|--------------------------------|---------|
| 21116 | Cable (4 ft) with banana plugs | \$70.00 |

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

Transducer Simulator 4



Part Number/Price

| Part # | Description | Price |
|--------|------------------------|----------|
| 22513 | Transducer simulator 4 | \$850.00 |

Options/Accessories

| Part # | Description | Price |
|--------|--------------------------------|---------|
| 21116 | Cable (4 ft) with banana plugs | \$70.00 |

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:

Binding posts, suitable for loose wires or banana jacks

Warranty:

One-year limited