

RL2200 Series

Tank, Hopper and Vessel Weighing Assembly



Picture is a representation of actual product.

Complete Kit Includes

- Three or four RL2200 high-alloy, zinc-plated steel mounting assemblies with RL2200 compression disk 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): 2,500 to 50,000 lb
- Low-profile design
- 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

WEIGH MODULES

Order Information

| Load Rating (Per Module) | Part # | Price |
|--------------------------|--------|---------|
| Single Module | | |
| 2,500 lb | 76656 | Consult |
| 5,000 lb | 45849 | Consult |
| 10,000 lb | 45848 | Consult |
| 25,000 lb | 45847 | Consult |
| 50,000 lb | 45846 | Consult |
| 3-Module Kit | | |
| 2,500 lb | 76897 | Consult |
| 5,000 lb | 42811 | Consult |
| 10,000 lb | 42812 | Consult |
| 25,000 lb | 42813 | Consult |
| 50,000 lb | 42814 | Consult |
| 4-Module Kit | | |
| 2,500 lb | 76898 | Consult |
| 5,000 lb | 42815 | Consult |
| 10,000 lb | 42816 | Consult |
| 25,000 lb | 42817 | Consult |
| 50,000 lb | 42818 | Consult |

Replacement Load Cell Order Information

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

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 |

