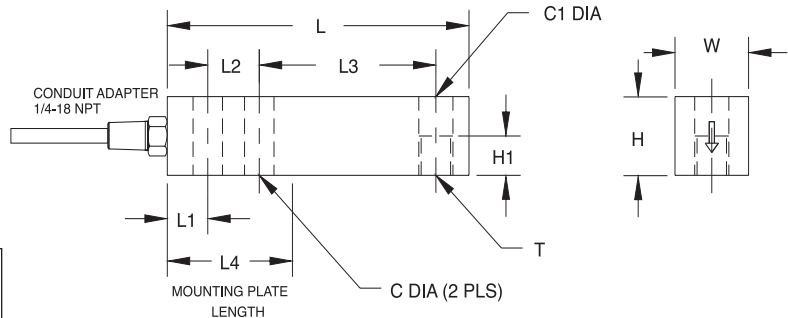


# RL35082 Single-Ended Beam, Stainless Steel

## Welded-seal, IP67, IP66/68\*\*, NTEP 1:5000 Class III Multiple Cell



Picture is a representation of actual product

| RATED CAPACITY   | DIMENSIONS |      |      |      |       |      |      |      |      |               |      |  |
|------------------|------------|------|------|------|-------|------|------|------|------|---------------|------|--|
|                  | C          | C1   | H    | H1   | L     | L1   | L2   | L3   | L4   | T             | W    |  |
| <b>lb/inches</b> |            |      |      |      |       |      |      |      |      |               |      |  |
| 1000-4000        | .53        | .53  | 1.22 | .61  | 5.12  | .62  | 1.00 | 3.00 | 2.25 | 1/2-20 UNF-2B | 1.22 |  |
| 5000-10,000      | .78        | .78  | 1.50 | .75  | 6.75  | .75  | 1.50 | 3.75 | 3.00 | 3/4-16 UNF-2B | 1.50 |  |
| <b>kg/mm</b>     |            |      |      |      |       |      |      |      |      |               |      |  |
| 453.6-1814.4     | 13.5       | 13.5 | 31.0 | 15.5 | 130.0 | 15.7 | 25.4 | 76.2 | 57.2 | 1/2-20 UNF-2B | 31.0 |  |
| 2268.0-4535.9    | 19.8       | 19.8 | 38.1 | 19.1 | 171.5 | 19.1 | 38.1 | 95.3 | 76.2 | 3/4-16 UNF-2B | 38.1 |  |

### SPECIFICATIONS:

**Full Scale Output:** 2.0 mV/V  
**Bridge Resistance:** 350 ohms, nominal  
**Material/Finish:** Stainless steel  
**Temperature:** Compensated range 14°F to 104°F/-10°C to 40°C  
**Safe Overload:** 150% Full scale  
**Rated Excitation:** 10V DC (15V maximum)  
**Combined Error:** 0.02% Full scale  
**Non-Repeatability:** 0.01% Full scale  
**Insulation Resistance:** 5000 megohms

**Deflection at Capacity:** 1000 lb = .013"/.33 mm, 2500 lb = .015"/.38 mm, 4000-5000 lb = .025"/.64 mm, 10,000 lb = .032"/.81 mm  
**Seal Type:** Welded-seal strain gauge\*, IP67  
**Cable Length:** 20'/6.1 m Teflon coated cable  
**Conduit Adapter Size:** 1/4-18 NPT\*\*  
**Cable Color Code:** Red ..... + Excitation  
 Black..... - Excitation  
 Green..... + Signal  
 White ..... - Signal  
**Warranty:** 2-year limited warranty

### RL35082 ORDER INFORMATION

| Load Rating           | Part # | Price    |
|-----------------------|--------|----------|
| <b>IP67</b>           |        |          |
| 1000 lb (453.6 kg)    | 31283  | \$425.00 |
| 2500 lb (1134.0 kg)   | 31282  | \$425.00 |
| 4000 lb (1814.4 kg)   | 31281  | \$425.00 |
| 5000 lb (2268.0 kg)   | 31280  | \$475.00 |
| 10,000 lb (4535.9 kg) | 31279  | \$475.00 |
| <b>IP66/68**</b>      |        |          |
| 1000 lb (453.6 kg)    | 34702  | \$505.00 |
| 2500 lb (1134.0 kg)   | 34703  | \$505.00 |
| 4000 lb (1814.4 kg)   | 34704  | \$505.00 |
| 5000 lb (2268.0 kg)   | 34705  | \$555.00 |
| 10,000 lb (4535.9 kg) | 34706  | \$555.00 |

### INTERCHANGEABLE PRODUCTS

| Manufacturer         | Model                  |
|----------------------|------------------------|
| Vishay Sensortronics | (see page 315) 65083 S |

### WEIGH MODULE AVAILABLE

| Model         | Page # |
|---------------|--------|
| RL50210 TA    | 30     |
| RL1800 Series | 42     |

\* Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

\*\* IP66/68 Hermetically-sealed versions have 1/2-14 NPT conduit adapter