



Standard Features

Single-column design with low deflection; hermetically sealed for extra protection tough conditions. Stainless steel for use in harsh environments. Compact and rugged. Capacities of 50,000, 100,000 and 200,000 lb. Complete with 35 ft of load cell cable.

Approvals



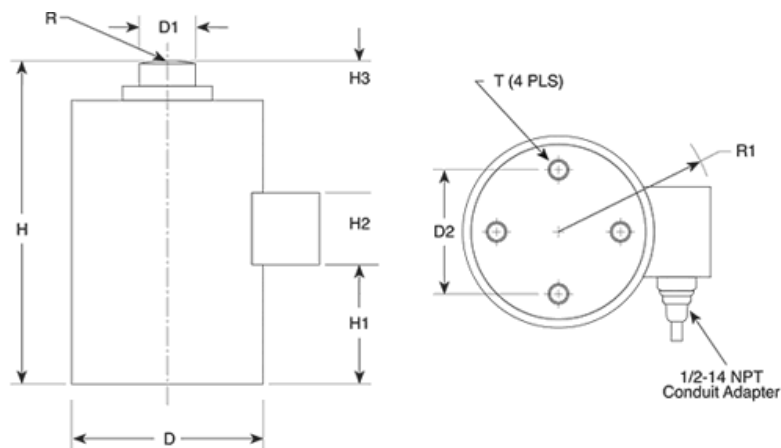


WARNING: Cancer and Reproductive Harm  
California Proposition 65

RL8C2P1SST Load Cell Specifications

|                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                       |
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| <p><b>Full Scale Output:</b><br/>2.0 mV/V</p> <p><b>Output Resistance:</b><br/>350 (±3.5) ohm</p> <p><b>Input Resistance:</b><br/>350 (±3.5) ohm</p> <p><b>Material/Finish:</b><br/>Stainless steel</p> <p><b>Temperature:</b><br/>Compensated:<br/>14 °F to 104 °F (-10 °C to 40 °C)<br/>Operating:<br/>0 °F to 150 °F (-18 °C to 65 °C)</p> <p><b>Seal Type:</b><br/>Hermetically sealed, IP68</p> | <p><b>Safe Overload:</b><br/>150% full scale</p> <p><b>Rated Excitation:</b><br/>10 VDC (15 V maximum)</p> <p><b>Combined Error:</b><br/>0.03% full scale</p> <p><b>Non-repeatability:</b><br/>0.01% full scale</p> <p><b>Insulation Resistance:</b><br/>&gt;1,000 megohm</p> <p><b>Deflection at Capacity:</b><br/>50,000 lb: 0.004 in<br/>100,000 lb: 0.006 in<br/>200,000 lb: 0.009 in</p> | <p><b>Cable Length:</b><br/>35 ft</p> <p><b>Cable Color Code:</b><br/>Green +Excitation<br/>Black –Excitation<br/>White +Signal<br/>Red –Signal<br/>Orange Shield</p> <p><b>Warranty:</b><br/>Two-year limited</p> <p><b>Approvals:</b><br/>NTEP 92-218<br/>cFMus</p> |
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RL8C2P1SST Load Cell 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 |

| PART # | DESCRIPTION                                                    | LIST PRICE             |
|--------|----------------------------------------------------------------|------------------------|
| 34855  | 50k 50,000lb 35ft 2mV/V 350 OHM EW NTEP IIIL 10M SST HS IP68   | List Price: \$2,325.00 |
| 34856  | 100k 100,000lb 35ft 2mV/V 350 OHM EW NTEP IIIL 10M SST HS IP68 | List Price: \$2,325.00 |
| 34857  | 200k 200,000lb 35ft 2mV/V 350 OHM EW NTEP IIIL 10M SST HS IP68 | List Price: \$3,598.00 |

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