



Standard Features

Designed for tank and hopper applications, the RL77032SS is built from stainless steel to resist corrosion. It’s a double-ended beam with center loading and a capacity ranging from 1,000 to 75,000 pounds. The RL77032SS comes with 25 feet of cable.

Approvals



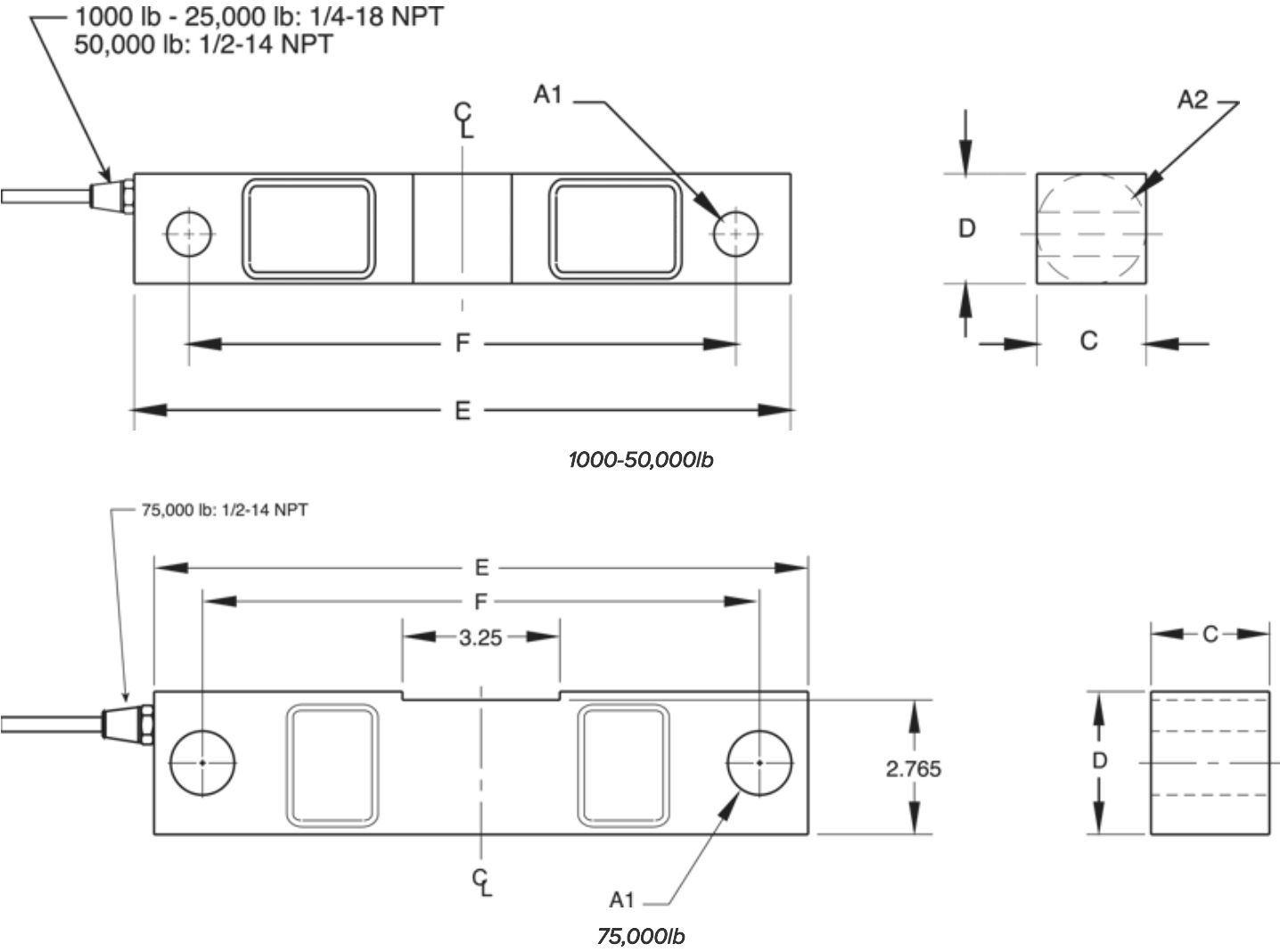


WARNING: Cancer and Reproductive Harm  
California Proposition 65

RL77032SS Load Cell Specifications

|                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                               |
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| <p><b>Full Scale Output:</b><br/>3.0 mV/V</p> <p><b>Output Resistance:</b><br/>700 (±5) ohm</p> <p><b>Input Resistance:</b><br/>770 (±10) ohm</p> <p><b>Material/Finish:</b><br/>Stainless steel</p> <p><b>Temperature:</b><br/>Operating:<br/>0 to 150 °F (-18 to 65 °C)</p> <p><b>Seal Type:</b><br/>Environmentally sealed, IP67</p> <p><b>Safe Overload:</b><br/>150% full scale</p> | <p><b>Safe Sideload:</b><br/>100% full scale</p> <p><b>Rated Excitation:</b><br/>5 to 10 VDC</p> <p><b>Nonlinearity:</b><br/>0.07% full scale</p> <p><b>Hysteresis:</b><br/>0.02% full scale</p> <p><b>Deflection at Capacity:</b><br/>1,000 to 2,500 lb: 0.01 in<br/>5,000 lb: 0.015 in<br/>10,000 to 20,000 lb: 0.022 in<br/>25,000 lb: 0.036 in<br/>50,000 lb: 0.052 in<br/>75,000 lb: 0.07 in</p> | <p><b>Insulation Resistance:</b><br/>5,000 megohm</p> <p><b>Cable Length:</b><br/>25 ft</p> <p>Polyurethane</p> <p><b>Cable Color Code:</b><br/>Red +Excitation<br/>Black -Excitation<br/>Green +Signal<br/>White -Signal</p> <p><b>Warranty:</b><br/>Two-year limited</p> <p><b>Approvals:</b><br/>cFMus</p> |
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RL77032SS Load Cell 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 |

| PART # | DESCRIPTION                                           | LIST PRICE           |
|--------|-------------------------------------------------------|----------------------|
| 221548 | 1000lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel  | List Price: \$580.00 |
| 221549 | 1500lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel  | List Price: \$580.00 |
| 221550 | 2000lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel  | List Price: \$580.00 |
| 221551 | 2500lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel  | List Price: \$580.00 |
| 221552 | 5000lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel  | List Price: \$580.00 |
| 221553 | 10000lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel | List Price: \$660.00 |

| PART # | DESCRIPTION                                           | LIST PRICE             |
|--------|-------------------------------------------------------|------------------------|
| 221554 | 15000lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel | List Price: \$660.00   |
| 221555 | 20000lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel | List Price: \$660.00   |
| 221556 | 25000lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel | List Price: \$660.00   |
| 221557 | 50000lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel | List Price: \$1,298.00 |
| 221558 | 75000lb 25ft 3mv/v 700 Ohm FM IP67 WW Stainless Steel | List Price: \$1,298.00 |

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