



Standard Features

This stainless steel, welded-seal module is designed as an interchangeable load cell for the Cardinal® DB5000S. The RLDB50000S is NTEP Certified for 10,000 divisions, has a 50,000-pound capacity and includes 35 feet of cable.

Approvals





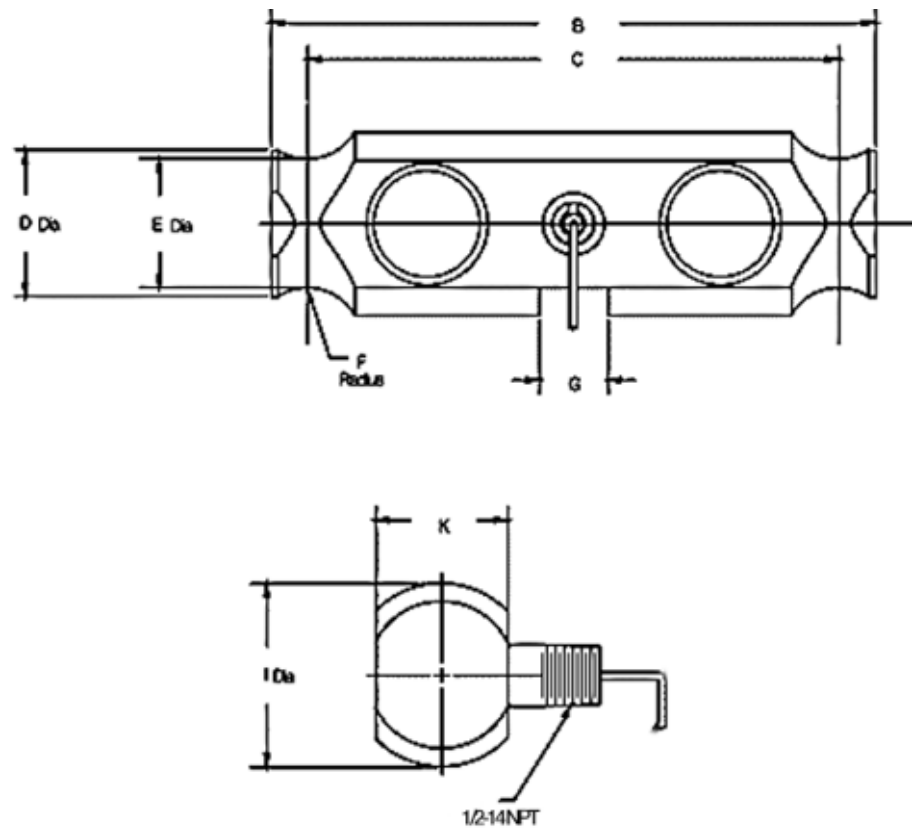
WARNING: Cancer and Reproductive Harm California Proposition 65

RLDB50000S Load Cell Specifications

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                           |
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| <p><b>Full Scale Output:</b><br/>2.0 (±0.1%) mV/V</p> <p><b>Output Resistance:</b><br/>699 to 707 ohm</p> <p><b>Input Resistance:</b><br/>686 to 714 ohm</p> <p><b>Material/Finish:</b><br/>Stainless steel</p> <p><b>Temperature:</b><br/>Compensated:</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 (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>Cable Length:</b><br/>35 ft</p> <p><b>Cable Diameter:</b><br/>0.305 in</p> <p>Polyurethane jacket</p> <p><b>Cable Color Code:</b><br/>Red +Excitation<br/>Black -Excitation<br/>White +Signal<br/>Green -Signal</p> |
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|                                                                                                                   |                                                                                            |                                                                                   |
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| 14 to 104 °F (-10 to 40 °C)<br>Operating:<br>0 to 150 °F (-18 to 65 °C)<br><b>Seal Type:</b><br>Welded seal, IP67 | <b>Insulation Resistance:</b><br>5,000 megohm<br><b>Deflection at Capacity:</b><br>0.01 in | <b>Warranty:</b><br>Two-year limited<br><b>Approvals:</b><br>NTEP 92-018<br>cFMus |
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### RLDB50000S Load Cell Dimensions



| RATED CAPACITY | B    | C    | D    | E    | F    | G    | K    | I    |
|----------------|------|------|------|------|------|------|------|------|
| LB/IN          |      |      |      |      |      |      |      |      |
| 50,000         | 8.25 | 7.25 | 2.00 | 1.76 | 0.75 | 0.93 | 1.80 | 2.50 |

| PART # | DESCRIPTION                                                 | LIST PRICE             |
|--------|-------------------------------------------------------------|------------------------|
| 91765  | 50k 50,000lb 35ft 2 mv/v 700 Ohm SST NTEP IIIL 10 M IP67 FM | List Price: \$1,275.00 |