



Standard Features

This hermetically sealed, stainless steel, single-ended beam load cell comes with 20 feet of PTFE-jacketed cable for protection in harsh environments. The load cell is sealed to IP69K standards, has a 3-millivolt output and has NTEP Certified capacities from 500 to 10,000 pounds.

Approvals



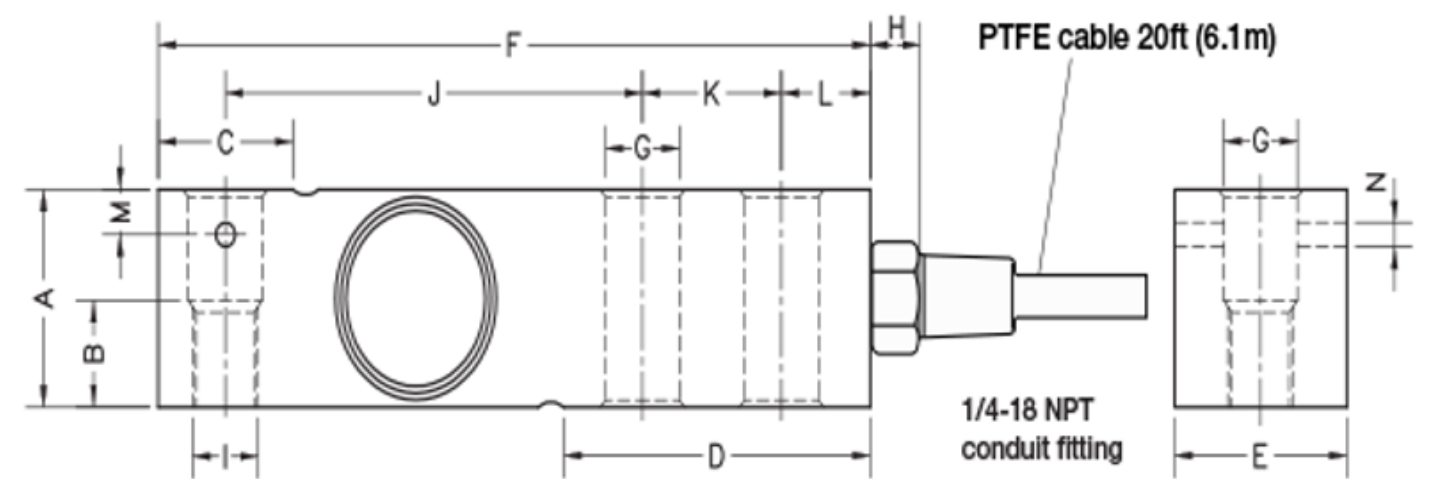


WARNING: Cancer and Reproductive Harm  
California Proposition 65

RL32018S-HE Load Cell Specifications

|                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                |
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| <p><b>Full Scale Output:</b><br/>3.0 mV/V <math>\pm</math>0.05%<br/>mV/V/ohm calibration</p> <p><b>Output Resistance:</b><br/>350 (<math>\pm</math>3) ohm</p> <p><b>Input Resistance:</b><br/>400 (<math>\pm</math>20) ohm</p> <p><b>Material/Finish:</b><br/>Stainless steel</p> <p><b>Temperature:</b><br/>Compensated:<br/>14 to 104 °F (-10 to 40 °C)<br/>Operating:<br/>0 to 150 °F (-18 to 93 °C)</p> | <p><b>Seal Type:</b><br/>Hermetically sealed, IP69K</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/>0.017% full scale</p> <p><b>Insulation Resistance:</b><br/>&gt;5,000 megohm</p> | <p><b>Cable Length:</b><br/>20 ft PTFE cable</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/>NTEP 18-106<br/>cFMus</p> |
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RL32018S-HE Load Cell Dimensions



| RATED CAPACITY  | A    | B    | C    | D    | E    | F    | G    | H    | I          | J    | K    | L    | M    | N    |
|-----------------|------|------|------|------|------|------|------|------|------------|------|------|------|------|------|
| LB/IN           |      |      |      |      |      |      |      |      |            |      |      |      |      |      |
| 500 to 4,000    | 1.24 | 0.59 | 0.96 | 2.20 | 1.24 | 5.12 | 0.53 | 0.70 | 1/2-20 UNF | 3.00 | 1.00 | 0.62 | 0.25 | 0.13 |
| 5,000 to 10,000 | 1.50 | 0.75 | 1.45 | 2.99 | 1.50 | 6.75 | 0.80 | 0.70 | 3/4-16 UNF | 3.75 | 1.50 | 0.75 | -    | -    |

| PART # | DESCRIPTION                                                        | LIST PRICE           |
|--------|--------------------------------------------------------------------|----------------------|
| 189175 | 500lb 20ft 3mv/v 350 Ohm FM WW IP69 SST                            | List Price: \$430.00 |
| 189176 | 1000lb 20ft PTFE cable 3mv/v 350 Ohm NTEP III 5M FM WW SST IP69K   | List Price: \$430.00 |
| 189178 | 2000lb 20ft PTFE cable 3mv/v 350 Ohm NTEP III 5M FM WW SST IP69K   | List Price: \$430.00 |
| 189179 | 2500lb 20ft PTFE cable 3mv/v 350 Ohm NTEP III 5M FM WW SST IP69K   | List Price: \$430.00 |
| 189181 | 4000lb 20ft PTFE cable 3mv/v 350 Ohm NTEP III 5M FM WW SST IP69K   | List Price: \$430.00 |
| 208667 | 5000LBSE 20ft PTFE 3 mv/v 350 Ohm FM WW SST IP69K                  | List Price: \$430.00 |
| 189182 | 5000LBLE 20ft PTFE cable 3mv/v 350 Ohm NTEP III 5M FM WW SST IP69K | List Price: \$475.00 |
| 189183 | 10000lb 20ft PTFE cable 3mv/v 350 Ohm NTEP III 5M FM WW SST IP69K  | List Price: \$475.00 |

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