

Stainless Steel, Environmentally Sealed, NTEP Certified 1:3,000 Class III 3S/1:10,000 Class IIIL 10S, IP67

# S35 “S” Type Load cell

## Specifications

**Full Scale Output:**

3.0 mV/V nominal

**Output Resistance:**

350 (± 3.5) ohms

**Input Resistance:**

430 (± 60) ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range

14°F to 104°F (-10°C to 40°C)

Operating range

0°F to 150°F (-18°C to 65°C)

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150%

**Rated Excitation:**

5- 10 V DC (15 V maximum)

**Combined Error:**

0.03%

**Insulation Resistance:**

10,000 megohms

**Deflection at Capacity:**

0.010 in (0.25 mm)

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.190 polyurethane jacket

**Cable Color Code:**

Red +Excitation  
Black -Excitation  
Green +Signal  
White -Signal  
Yellow Shield

**Warranty:**

One-year limited warranty

**Approvals:**

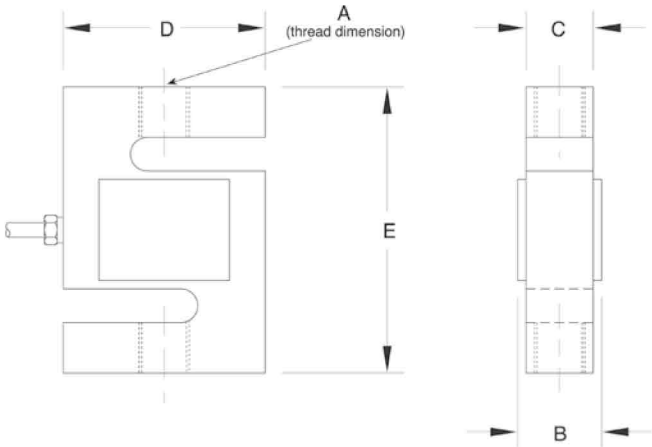
FM  
NTEP

## APPROVALS



## Dimensions

| Rated Capacity  | A          | B    | C    | D    | E    |
|-----------------|------------|------|------|------|------|
| <b>lb/in</b>    |            |      |      |      |      |
| 100-200         | 1/4-28 UNF | 0.65 | 0.46 | 2.00 | 2.40 |
| 500-1,000       | 1/2-20 UNF | 0.90 | 0.71 | 2.00 | 2.40 |
| 2,000-2,500     | 1/2-20 UNF | 1.15 | 0.96 | 2.00 | 2.40 |
| 5,000-10,000    | 3/4-16 UNF | 1.15 | 0.96 | 3.00 | 3.90 |
| <b>kg/mm</b>    |            |      |      |      |      |
| 45.4-90.7       | 1/4-28 UNF | 16.5 | 11.7 | 50.8 | 60.9 |
| 226.8-453.6     | 1/2-20 UNF | 22.9 | 18.0 | 50.8 | 60.9 |
| 907.2-1,134.0   | 1/2-20 UNF | 29.2 | 24.4 | 50.8 | 60.9 |
| 2,268.0-4,535.9 | 3/4-16 UNF | 29.2 | 24.4 | 76.2 | 99.1 |



| Load Rating |            |
|-------------|------------|
| 100 lb      | 45.4 kg    |
| 200 lb      | 90.7 kg    |
| 500 lb      | 226.8 kg   |
| 750 lb      | 340.2 kg   |
| 1,000 lb    | 453.6 kg   |
| 2,000 lb    | 907.2 kg   |
| 2,500 lb    | 1,134.0 kg |
| 5,000 lb    | 2,268.0 kg |

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