

## S-Beam Load Cell



#### **FEATURES**

- Rated capacities of 25 to 250 pounds
- Alternative mounting configurations
- 20 feet standard cable length
- · Constructed of high quality alloy tool steel
- · Nickel plated for corrosion resistance
- · Compact design
- Exceeds NIST H-44 performance requirements
- Factory Mutual System Approved for Classes I, II, III;
  Divisions 1 and 2; Groups A through G.
  Also, non-incendive ratings (No barriers!).

### **DESCRIPTION**

The 60036 is a compact, low capacity, alloy steel, S-beam load cell with adjustable mounting.

This product's small size versatile mounting configuration, and tension and compression weighing make this load cell easily adaptable to most low capacity weighing applications. This load cell can be used in conveyer scales, tank/hopper

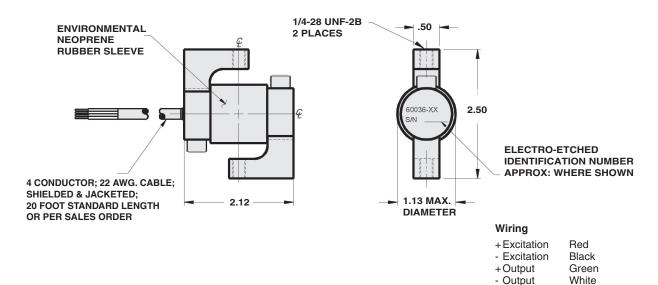
scales and varied process weighing applications.

This product is rated intrinsically safe by the Factory Mutual System (FM); making it suitable for use in potentially explosive environments.

#### **APPLICATIONS**

- Tank, bin and hopper weighing
- Tension measurements
- Single or multiple load cell configurations

#### **OUTLINE DIMENSIONS** in inches



Capacities are in pounds. Deflection is  $\pm$  10%. Certified drawings are available.

## Sensortronics

## S-Beam Load Cell



#### **SPECIFICATIONS PARAMETER VALUE** UNIT 25, 50, 75, 100, 150, 250 **Rated capacities** lbs Full scale output (FSO) $3.0 \pm 0.25\%$ mV/V Accuracy class Standard Max. no. of verification intervals **Combined error** $\leq 0.03$ % FSO Nonlinearity ≤ 0.03 % FSO ≤ 0.02 **Hysteresis** % FSO Creep error (20 minutes) $\leq 0.03$ % FSO Temperature effect on zero ≤ 0.0015 % FSO/°F Temperature effect on output ≤ 0.0008 % of load/°F Non-repeatability ≤ 0.1 % FSO Zero balance ≤ 1.0 % FSO Insulation resistance at 50 VDC > 1000 $M\Omega$ Compensated temperature range 14 to 104 (-10 to 40) °F (°C) Operating temperature range 0 to 150 (-18 to 65) °F (°C) Storage temperature range -60 to 185 (-50 to 85) °F (°C) Input resistance 380 - 450 Ω 349 - 355 **Output resistance** Ω Recommended excitation voltage 10 **VDC** VDC Maximum excitation voltage 15 % of rated capacity Safe overload 150 Ultimate overload 300 % of rated capacity Sealing Sealed neoprene boot Material Stainless steel

Electroless nickel plated

All specifications subject to change without notice.

Finish



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