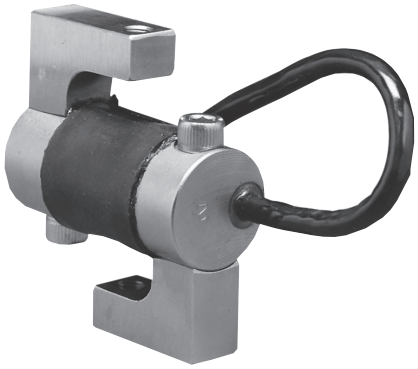
S-Beam Load Cell



Factory Mutual System Approved

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.

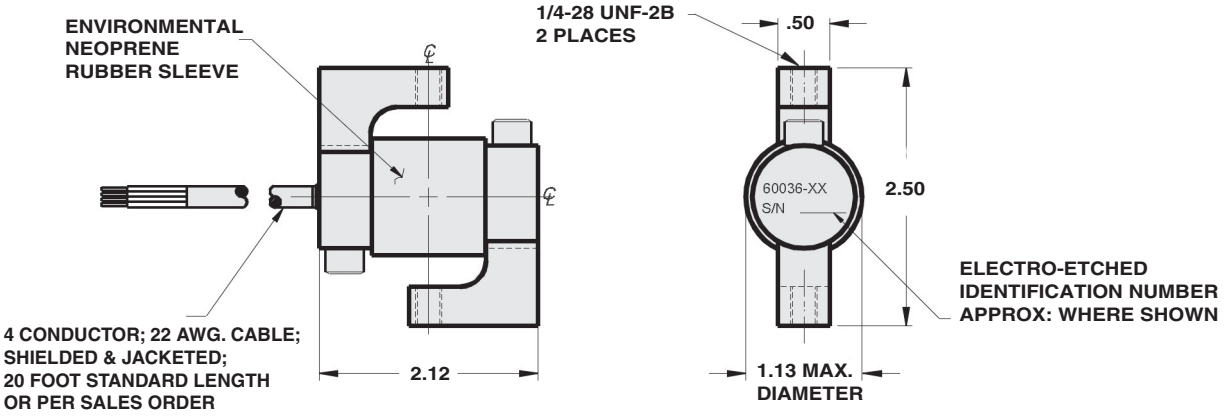
This product's small size versatile mounting configuration, and tension and compression weighing make this load cell easily adaptable to most low capacity weighing applications. This load cell can be used in conveyer scales, tank/hopper scales and varied process weighing applications.

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



Wiring

+ Excitation	Red
- Excitation	Black
+ Output	Green
- Output	White

Capacities are in pounds. Deflection is ± 10%. Certified drawings are available.

SPECIFICATIONS

PARAMETER	VALUE	UNIT
Rated capacities	25, 50, 75, 100, 150, 250	lbs
Full scale output (FSO)	3.0 ± 0.25%	mV/V
Accuracy class	**Standard**	
Max. no. of verification intervals	--	
Combined error	≤ 0.03	% FSO
Nonlinearity	≤ 0.03	% FSO
Hysteresis	≤ 0.02	% FSO
Creep error (20 minutes)	≤ 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	MΩ
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
Output resistance	349 - 355	Ω
Recommended excitation voltage	10	VDC
Maximum excitation voltage	15	VDC
Safe overload	150	% of rated capacity
Ultimate overload	300	% of rated capacity
Sealing	Sealed neoprene boot	
Material	Stainless steel	
Finish	Electroless nickel plated	

All specifications subject to change without notice.

Disclaimer

All product specifications and data are subject to change without notice.

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