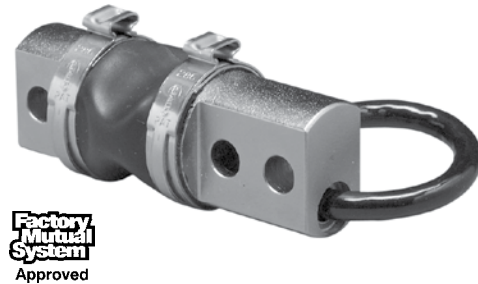


Low Profile Bending Beam

FEATURES

- Rated capacities of 25 to 500 pounds
- Tension or compression loading capabilities
- Compact, low profile design
- *Sensorgage™* sealed to IP65 standards
- Factory Mutual System Approved for Classes I, II, III; Divisions 1 and 2; Groups A through G. Also, non-incendive ratings (No barriers!)
- **Optional**
 - Companion tank weighing assemblies available (65059 TWA)



APPLICATIONS

- Bin and hopper weighing
- Belt conveyor scales
- Netweighing

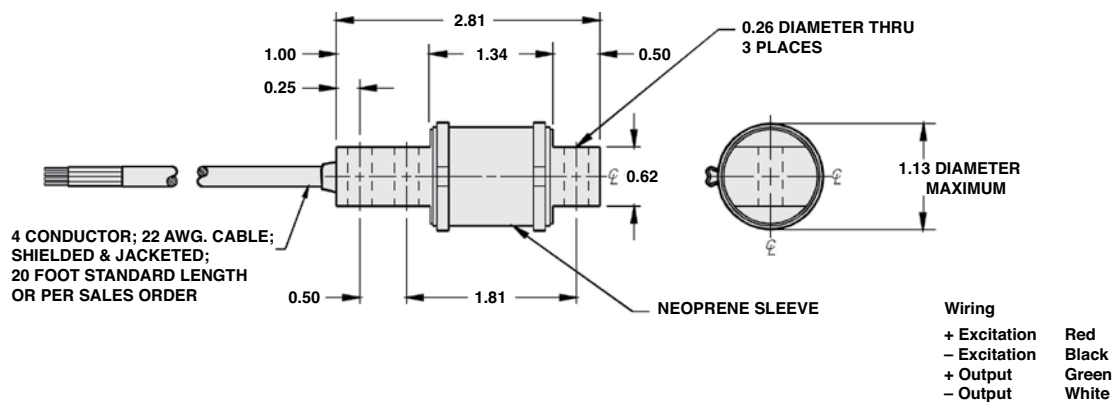
DESCRIPTION

The 60040 is a compact, low capacity, alloy-steel, high-precision bending-beam load cell.

This product's small size and accuracy makes it ideal for applications that demand high performance from a small package. This load cell is commonly used in platform scales, conveyer 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. It is also available with mounting accessories under Weighing Assembly Model 65059.

OUTLINE DIMENSIONS in inches



Low Profile Bending Beam

SPECIFICATIONS		
PARAMETER	VALUE	UNIT
Rated capacity – R.C. (E_{max})	25, 50, 100, 150, 250, 500	lbs
NTEP/OIML accuracy class	Standard	
Maximum no. of intervals (n)	–	
Rated output – R.O.	2.0	mV/V
Rated output tolerance	+0.25 to –10	±% mV/V
Zero balance	1.0	±% FSO
Combined error	0.03	±% FSO
Non-repeatability	0.01	±% 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
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)
Maximum safe central overload	150	% of R.C.
Ultimate central overload	300	% of R.C.
Excitation, recommended	10	VDC or VAC RMS
Excitation, maximum	15	VDC or VAC RMS
Input impedance	380–450	Ω
Output impedance	349–355	Ω
Insulation resistance at 50 VDC	>1000	M Ω
Material	Nickel-plated alloy steel	
Environmental protection	IP65	

FSO—Full Scale Output

All specifications subject to change without notice.

Disclaimer

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