Low Profile Bending Beam

Factory Mutual System Approved

FEATURES

- Rated capacities of 50 to 300 pounds
- 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!).

DESCRIPTION

The 60030 is a compact, low-capacity, alloy steel, high precision bending beam load cell.

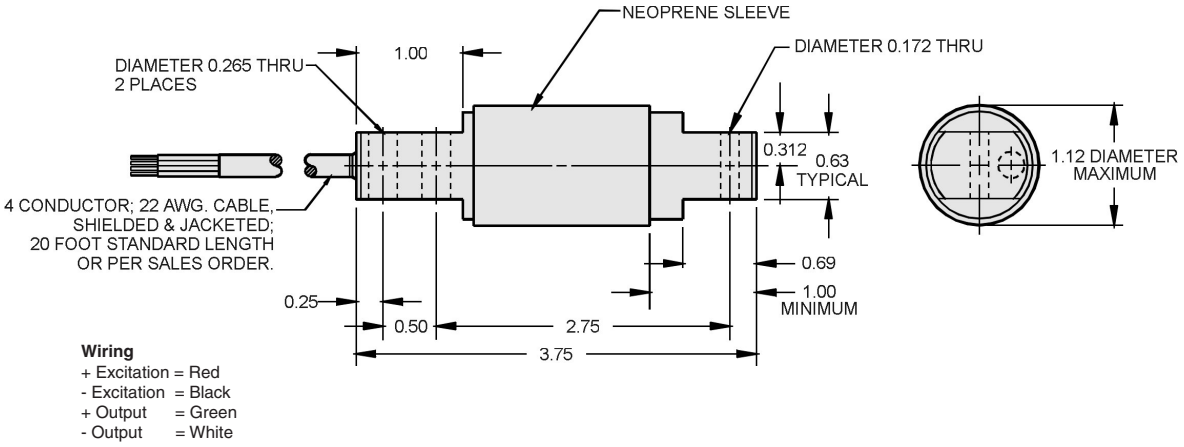
This product's small size and accuracy make it ideal for applications that demand high performance from a small package. This load cell is commonly used in platform scales, conveyer scales, and varied process weighing applications.

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

APPLICATIONS

- Bin and hopper weighing
- Belt conveyor scales
- Netweighing

OUTLINE DIMENSIONS in inches



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

SPECIFICATIONS

PARAMETER	VALUE	UNIT
Rated capacity-R.C. (E_{max})	50, 75, 150, 300	lbs
NTEP/OIML Accuracy class	**Standard**	
Maximum no. of intervals (n)	--	
Rated output-R.O.	3.0	mV/V
Rated output tolerance	+0.15...-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 50VDC	>1000	MΩ
Material	Nickel plated alloy steel	
Environmental protection	IP65	

FSO - Full Scale Output

All specifications subject to change without notice.

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