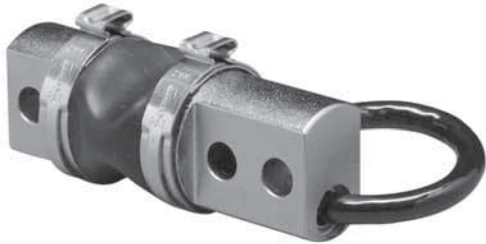


Low Profile Bending Beam



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 FEATURE

- Companion tank weighing assemblies available (65059 TWA)

DESCRIPTION

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

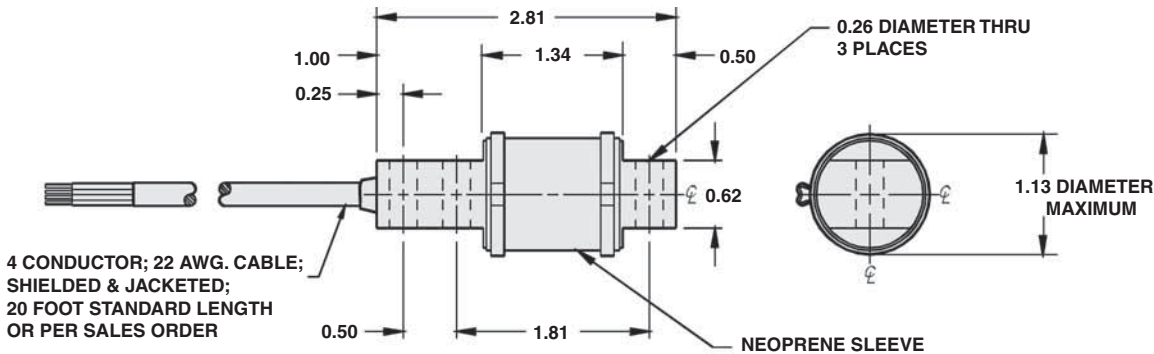
This product's small size and accuracy makes it ideal for applications that demand high performance from a small package. This load cell is commonly used in platform scales, conveyer scales, and varied process weighing applications.

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.

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})	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...-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.

VISHAY TRANSDUCERS (VT) SALES OFFICES

VT Americas
 City of Industry, CA
 PH: +1-626-858-8899
 FAX: +1-626-332-3418
 vt.us@vishaymg.com

VT Netherlands
 Breda
 PH: +31-76-548-0700
 FAX: +31-76-541-2854
 vt.nl@vishaymg.com

VMG UK
 Basingstoke
 PH: +44-125-646-2131
 FAX: +44-125-647-1441
 vt.uk@vishaymg.com

VMG Israel
 Netanya
 PH: +972-9-863-8888
 FAX: +972-9-863-8800
 vt.il@vishaymg.com

VMG Germany
 Heilbronn
 PH: +49-7131-3901-260
 FAX: +49-7131-3901-2666
 vt.de@vishaymg.com

VT China
 Tianjin
 PH: +86-22-2835-3503
 FAX: +86-22-2835-7261
 vt.prc@vishaymg.com

VMG France
 Chartres
 PH: +33-2-37-33-31-20
 FAX: +33-2-37-33-31-29
 vt.fr@vishaymg.com

VT Taiwan*
 Taipei
 PH: +886-2-2696-0168
 FAX: +886-2-2696-4965
 vt.roc@vishaymg.com
 *Asia except China



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