

Minigram Beam Load Cells

Models MBL and MBH

25 GMS TO 10 LBS.

MINIATURE SIZE



Model MBL/Model MBH

Models MBL and MBH Minigram Beam Load Cells are engineered to measure very low bending forces and still achieve an impressive 0.1% full scale non-linearity and hysteresis. Built-in overload stops are incorporated to provide additional reliability. Miniature dimensions allow easy unit integration into existing systems. Model MBL uses semiconductor gages and is available for load ranges from 25 to 1000 grams. Model MBH uses foil gages and is available for load ranges from 150 grams to 10 lbs.

PERFORMANCE

	Model MBL Order Code BL341	Model MBH Order Code BL342
Load Ranges	25 gms to 1000 gms	150 gms to 10 lbs
Non-Linearity and Hysteresis (max)	±0.1% F.S.	±0.1% F.S.
Non-Repeatability (max)	±0.03% F.S.	±0.03% F.S.
Output	20mV/V	2mV/V
Resolution	Infinite	Infinite

ENVIRONMENTAL

Temperature, Operating	0° F to 200° F	0° F to 200° F
Temperature, Compensated	60° F to 160° F	60° F to 160° F
Temperature Effect		
- Zero (max)015% F.S./° F	.005% F.S./° F
- Span (max)02% Rdg./° F	.005% Rdg./° F

ELECTRICAL

Strain Gage Type	Bonded semiconductor	Bonded foil
Excitation	5VDC	5VDC
Bridge Resistance	500 ohms	350 ohms
Wiring Code (std)	#1 (See Pg. AP-8)	#1 (See Pg. AP-8)
Electrical Termination (std)	Cable (5 ft.)	Cable (5 ft.)

MECHANICAL

Overload, Safe	400% over capacity	400% over capacity or 20 lbs., whichever is less
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Dimensions

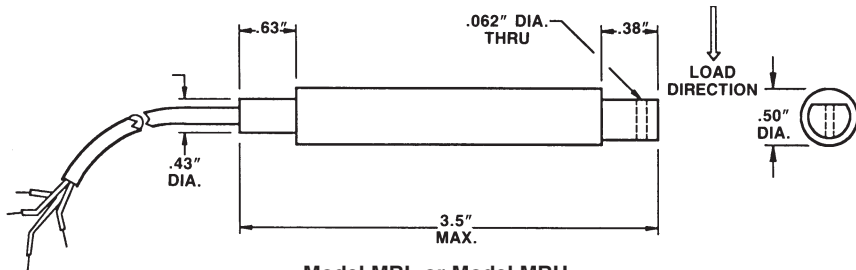
Available Ranges

Model MBL (Order Code BL341)

25; 50; 100; 150; 250; 500; 1000 gms

Model MBH (Order Code BL342)

150; 250; 500; 1000 gms; 5; 10 lbs.



Model MBL or Model MBH

Options (See Appendix)

Temperature compensation 1b; 1c; 1f.

Premium Options: 1i; 6d; 9a