

The **MBB** load cell is a small, high precision, aluminum load cell. Ideal for low capacity force and weight measurement.



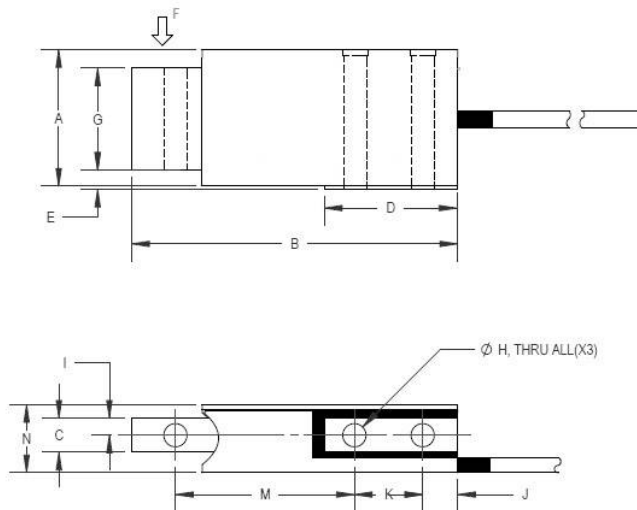
FEATURES

- Capacities 5 and 250 lbs.
- Aluminum construction.
- Environmental protection IP67.
- Low profile design.

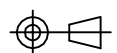
APPLICATIONS

- Force and weight measurement, thrust measurements, check weighing, and scale applications & OEM applications.

OUTLINE DIMENSIONS



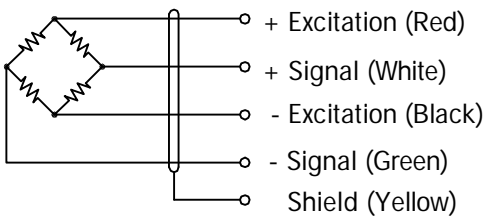
Dimensions in[mm]	Capacity (lbs)						
	5/10	25	50	75	100	150	250
A	1.01[25.7]	1.01[25.7]	1.01[25.7]	1.01[25.7]	1.01[25.7]	1.01[25.7]	1.02[25.9]
B	2.38[60.5]	2.38[60.5]	2.38[60.5]	2.38[60.5]	2.38[60.5]	2.38[60.5]	2.38[60.5]
C	0.25[6.4]	0.25[6.4]	0.25[6.4]	0.25[6.4]	0.25[6.4]	0.25[6.4]	0.50[12.8]
D	0.97[24.6]	0.97[24.6]	0.97[24.6]	0.97[24.6]	0.97[24.6]	0.97[24.6]	0.97[24.6]
E	0.14[3.6]	0.11[2.8]	0.15[3.8]	0.14[3.6]	0.13[3.3]	0.10[2.5]	0.12[3.0]
G	0.75[19.1]	0.81[20.6]	0.72[18.3]	0.75[19.1]	0.78[19.8]	0.82[20.8]	0.79[20.1]
H	0.17[4.3]	0.17[4.3]	0.17[4.3]	0.17[4.3]	0.17[4.3]	0.17[4.3]	0.17[4.3]
I	0.13[3.3]	0.13[3.3]	0.13[3.3]	0.13[3.3]	0.13[3.3]	0.13[3.3]	0.25[6.4]
J	0.25[6.4]	0.25[6.4]	0.25[6.4]	0.25[6.4]	0.25[6.4]	0.25[6.4]	0.25[6.4]
K	0.50[12.7]	0.50[12.7]	0.50[12.7]	0.50[12.7]	0.50[12.7]	0.50[12.7]	0.50[12.7]
M	1.31[33.3]	1.31[33.3]	1.31[33.3]	1.31[33.3]	1.31[33.3]	1.31[33.3]	1.31[33.3]
N	0.50[12.7]	0.50[12.7]	0.50[12.7]	0.50[12.7]	0.50[12.7]	0.50[12.7]	0.75[19.1]



mini beam LCEB 8004



WIRING



Cable : 28AWG, 4 core, shielded transparent cable.

SPECIFICATIONS

Model	MBB		
Capacities	lb	5/ 10/ 25/ 50/ 75/ 100/ 150/ 250	
Full scale output (FS)	mV/V	3.0±0.1%	
Non-linearity	%FS	≤±0.03	
Hysteresis	%FS	≤±0.02	
Non-repeatability	%FS	≤±0.01	
Creep @ 20min	%FS	≤±0.15	
Zero balance	%FS	≤±5	
Temperature effect			
	Output	%FS/10°C	≤±0.014
	Zero	%FS/10°C	≤±0.03
Temperature range			
	Compensated	°C	-10... +40
	Operating	°C	-20... +65
Terminal resistance			
	Input resistance	Ω	386±30
	Output resistance	Ω	350±5
Excitation voltage	VDC	5... 15	
Insulation resistance @ 50V DC	MΩ	≥5000	
Safe overload limit	%FS	150	
Ultimate load	%FS	400	
Cable length	m	1.5	
Seal type	IP67		
Element material	Aluminum		

Dimensions and specifications subject to change without notice