



Model MB Miniature Beam Load Cell

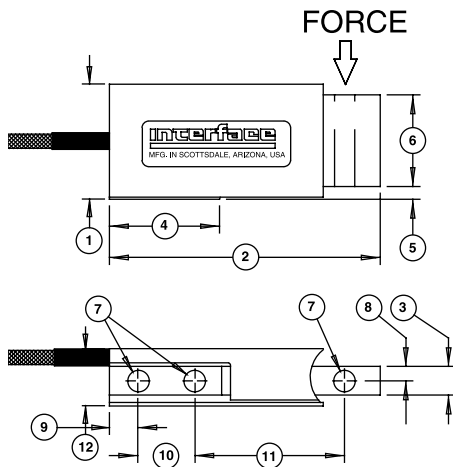
Why the Interface model MB Miniature Beam Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- Performance to .03%
- Low height – 1 in
- .0008%/°F temp. effect on output
- Low cost



STANDARD CONFIGURATION

5 ft Integral Cable (MB-nn)



SPECIFICATIONS

ACCURACY – (MAX ERROR)

Nonlinearity-% FS±0.03
 Hysteresis-% FS±0.02
 Nonrepeatability-% RO±0.01
 Creep, in 20 min-%±0.025

TEMPERATURE

Compensated Range-°F0 to 150
 Operating Range-°F-65 to 200
 Effect on Output-%/°F – MAX±0.0008
 Effect on Zero-% RO/°F – MAX±0.0015

ELECTRICAL

Rated Output-mV/V (Nominal)3.0
 Zero Balance-% RO±1.0
 Bridge Resistance-Ohm (Nominal)350
 Excitation Voltage – MAX15 VDC
 Insulation Resistance-Megohm5000

MECHANICAL

CalibrationCompression
 Safe Overload-% CAP±150
 Cable length-ft5

Natural Frequency/Deflection:

lbf	Deflection (inches)	Nat. Freq. (hertz)
5	.005	950
10	.005	1300
25	.005	2250
50	.004	3300
75	.004	3900
100	.005	4000
150	.005	4750
250	.005	4400

DIMENSIONS

See Drawing	CAPACITY (lbf)													
	5, 10		25		50		75		100		150		250	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
①	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
②	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
③	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4	0.5	12.8
④	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
⑤	0.14	3.6	0.11	2.8	0.15	3.8	0.14	3.6	0.13	3.3	0.1	2.5	0.12	3
⑥	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
⑦	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
⑧	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
⑨	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
⑩	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
⑪	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
⑫	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