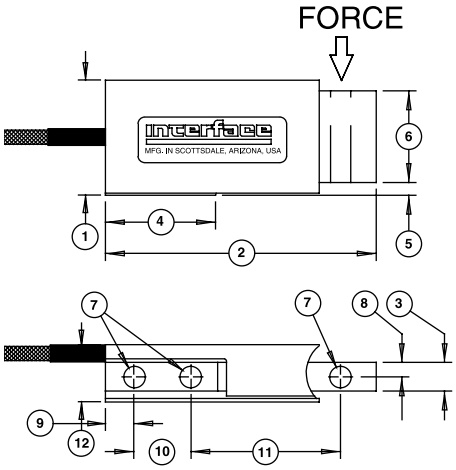
Model MB Miniature Beam Load Cell

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–°F .....0 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 – MAX .....15 VDC
Insulation Resistance–Megohm 5000
MECHANICAL
Calibration .....Compression
Safe Overload–% CAP .....±150
Cable length–ft 5
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

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