

Interface

Model MB Series

Why INTERFACE MB load cells are the best in class:

- Proprietary Interface temperature compensated strain gages
- .03% nonlinearity
- Low height – 1”
- .0008%/°F temp effect on output
- 100% creep tested – 0.025%



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

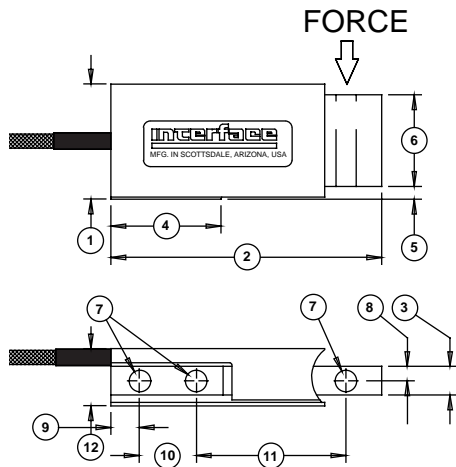
MECHANICAL

CalibrationComp.
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

STANDARD CONFIGURATION

- 5 Ft Integral Cable (MB-nn)



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	6.4	0.13	6.4	0.13	6.4	0.13	6.4	0.13	6.4	0.13	6.4	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