

Model MBP Miniature Beam Overload Protected Load Cell

Why the Interface model MBP Miniature Beam Overload Protected Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- 10X overload protection
- Low height – 1 in
- .0008%F temp. effect on output



STANDARD CONFIGURATION

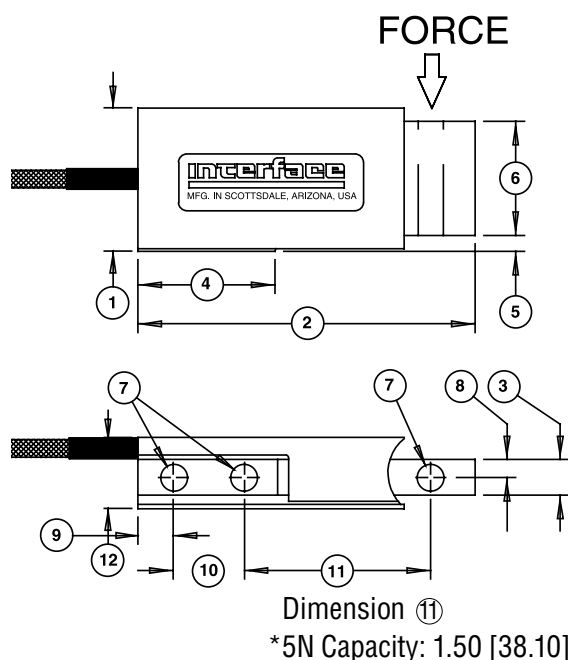
5 ft Integral Cable (MBP)

OPTIONS*

Cable Length
Standardized Output

ACCESSORIES*

Instrumentation



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:	
2.5-10 lbf / 10-50 N	±1000
100 N	±500
Cable length–ft	5
Deflection @RO–inch	0.005 (0.13mm)

*See appendix for more technical information

DIMENSIONS

See Drawing	CAPACITY	
	U.S. (lbf)	Metric (N)
	2.5, 5, 10	*5, 10, 20, 50, 100
	inch	mm
①	1.01	25.7
②	2.38	60.5
③	0.25	6.4
④	0.97	24.6
⑤	0.14	3.6
⑥	0.75	19.1
⑦	0.17	4.3
⑧	0.13	3.3
⑨	0.25	6.4
⑩	0.50	12.7
⑪	1.31	*33.3
⑫	0.50	12.7