

# 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



LOAD

## STANDARD CONFIGURATION

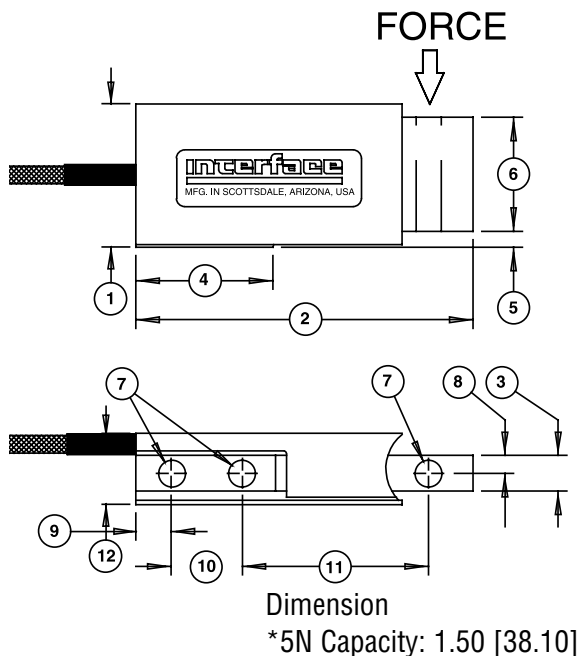
5 ft Integral Cable (MBP)

## 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