

Model SM Series

Why INTERFACE SM Load Cells are the best in class:

- .01% nonrepeatability
- .0008%/°F temp effect on output*
- Lowest creep — 0.025%
- Tension and compression



OPTIONS*

Extra cable length
Standardized output

ACCESSORIES*

Mounting hardware
Instrumentation

* Please call for additional information

SPECIFICATIONS

ACCURACY – (MAX ERROR)

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

TEMPERATURE

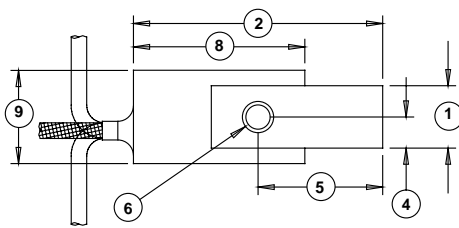
Compensated Range–°F0 to 150
Compensated Range–°C-15 to 65
Operating Range–°F-65 to 200
Operating Range–°C-55 to 90
Effect on Output–%/°F – MAX± 0.0008
Effect on Zero–% RO/°F – MAX± 0.0015

ELECTRICAL

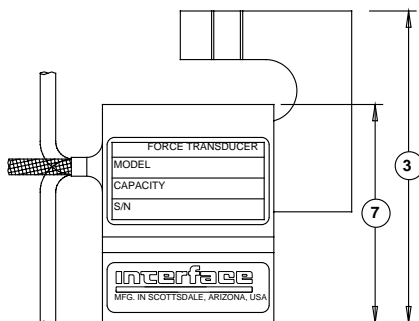
Rated Output–mV/V (Nominal)3.0
Zero Balance–% RO± 1.0
Bridge Resistance–Ohm (Nominal)350
Excitation Voltage – MAX15 VDC
Insulation Resistance–Megohm5000

MECHANICAL

CalibrationTension
Safe Overload–% CAP± 150
Cable length–ft5



TENSION LOAD ↑ PRIMARY AXIS



DIMENSIONS

See Drawing	CAPACITY (lbf)					
	10, 25, 50, 100, 250		500		1000	
	inch	mm	inch	mm	inch	mm
①	0.50	12.7	1.00	25.4	1.00	25.4
②	2.00	50.8	2.00	50.8	2.00	50.8
③	2.50	63.5	3.00	76.2	3.00	76.2
④	0.25	6.40	0.50	12.7	0.50	12.7
⑤	1.00	25.4	1.00	25.4	1.00	25.4
⑥	1/4-28 UNF-2B		1/2-20 UNF-2B		1/2-20 UNF-2B	
⑦	1.75	44.5	2.00	50.8	2.00	50.8
⑧	1.38	35.1	1.94	49.3	1.94	49.3
⑨	0.75	17.1	1.25	31.8	1.25	31.8