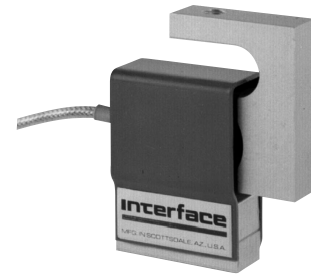


Model SM S-Type Load Cell (U.S. & Metric)



Why the Interface model SM S-Type Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- High performance
- .0008%/°F (.0015%/°C) temp. effect on output
- Lowest creep — 0.025%
- Tension and compression

STANDARD CONFIGURATION

5 ft Integral Cable (SM-nn)

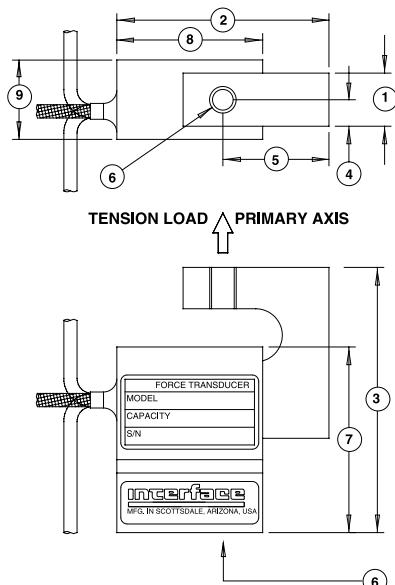
OPTIONS

Extra Cable Length
Standardized Output

ACCESSORIES

Load Button
Mounting Hardware
Instrumentation

Consult factory for more technical 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—°F	0 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 Output—%/°C – MAX	±0.0015
Effect on Zero—% RO/°F – MAX	±0.0015
Effect on Zero—% RO/°C – MAX	±0.0027

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	Tension
Safe Overload—% CAP	±150
Cable length—ft	5
Natural Frequency/Deflection:	

	lbf	N	Deflection (inches)	Nat. Freq. (Hertz)
	10	50	.003	600
	25	100	.003	1000
	50	200	.003	1550
	100	500	.004	1850
	250	1000	.006	2350
	500	2000	.006	2150
	1000	5000	.005	3350

DIMENSIONS

See Drawing	CAPACITY			
	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)
	10,25,50, 100,150,250	50,100,200 500,1000	500 1000	2000 5000
	inch	mm	inch	mm
①	0.50	12.7	1.00	25.4
②	2.00	50.8	2.00	50.8
③	2.50	63.5	3.00	76.2
④	0.25	6.40	0.50	12.7
⑤	1.00	25.4	1.00	25.4
⑥	1/4-28 UNF-2B	M6 x 1-6H	1/2-20 UNF-2B	M12 x 1.75-6H
⑦	1.75	44.5	2.00	50.8
⑧	1.38	35.1	1.94	49.3
⑨	0.75	19.1	1.25	31.8