

SSMF Fatigue Rated S-Type Load Cell

- Fatigue-rated: 1×10^7 fully reversed cycles
- Proprietary Interface temperature compensated strain gages
- Capacities 25 to 2.5K lbf
- Environmentally sealed
- 0.02% nonrepeatability
- Near zero temp. effect on output – 0.0008%/°F (0.0015%/°C)
- Very low creep – 0.025%
- Tension and compression

STANDARD CONFIGURATION

10 ft. Integral cable or
PC04E-10-6P Connector (250 lbf & higher)

OPTIONS

Bayonet Connector (250 lbf & higher)
Standardized Output
Extra Cable Length

ACCESSORIES

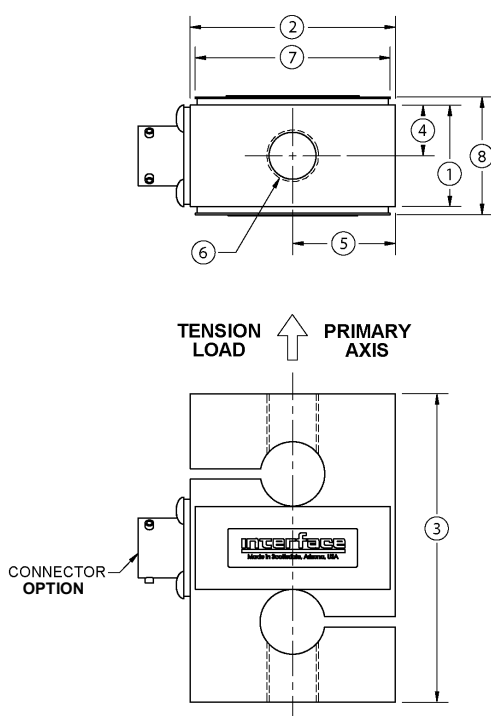
Instrumentation
Mounting Hardware



SPECIFICATIONS

ACCURACY – (MAX ERROR)	
Nonlinearity–% FS	±0.05
Hysteresis–% FS	±0.03
Nonrepeatability–% RO	±0.02
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)	1.5
Zero Balance–%RO	±1.0
Bridge Resistance–Ohm (Nominal)	350
Excitation Voltage–MAX	15 VDC
Insulation Resistance–Megohm	>5000
MECHANICAL	
Calibration	T & C
Safe Overload–% CAP	300
Cable Length–ft	10
Deflection (inch)	.002 to .003
Nat. Freq. (Hertz)	1500 to 3300
Fatigue-Rated	1×10^7 Fully Reversed Loading Cycles

DIMENSIONS



See Drawing	CAPACITY							
	US (lbf)	Metric (N)	US (lbf)	Metric (N)	US (lbf)	Metric (kN)	US (lbf)	Metric (kN)
	inch	mm	inch	mm	inch	mm	inch	mm
(1)	0.50	12.7	0.50	12.7	1.00	25.4	1.50	38.1
(2)	2.00	50.8	2.00	50.8	2.00	50.8	2.50	63.5
(3)	2.50	63.5	2.50	63.5	3.00	76.2	3.50	88.9
(4)	0.25	6.40	0.25	6.40	0.50	12.7	0.75	19.1
(5)	1.00	25.4	1.00	25.4	1.00	25.4	1.25	31.8
(6)	1/4-28 UNF -2B	M6 x 1-6H	1/4-28 UNF -2B	M6 x 1-6H	1/2-20 UNF -2B	M12 x 1.75-6H	5/8-18 UNF -2B	M16 x 2-6H
(7)	1.88	47.8	1.88	47.8	1.88	47.8	2.38	60.5
(8)	0.82	20.8	0.72	18.3	1.22	31.0	1.75	44.5

SSMF
01/09/13