

SPI PLATFORM SCALE LOAD CELL (U.S. & METRIC)

FEATURES & BENEFITS

- Proprietary Interface temperature compensated strain gages
- 0.01% non-repeatability
- 400% compression overload protection
- 0.0008% / °F temp. effect on output
- Eccentric load compensated
- Space saving narrow housing per DIN EN 50022

SPECIFICATIONS

ACCURACY – (MAX ERROR)				
Nonlinearity – %FS				±0.02
Hysteresis – %FS				±0.02
Nonrepeatability – %RO				±0.01
Creep, in 20 min – %				±0.025
Eccentric Load Sensitivity – % / in				0.012
TEMPERATURE				
Compensated Range	°F			+15 to +115
	°C			-10 to +45
Operating Range	°F			-65 to +200
	°C			-55 to +90
Effect on Output – % / deg	°F			±0.0008
Effect on Zero – %RO / deg	°F			±0.0015
ELECTRICAL				
Rated Output – mV/V (Nominal)				3.0
Zero Balance – %RO				±5.0
Bridge Resistance – Ohm (Nominal)				350
Excitation Voltage – MAX VDC				15
Insulation Resistance – Megohm				5000
MECHANICAL				
Calibration				Comp.
Safe Overload – %CAP				400
NATURAL FREQUENCY/DEFLECTION				
lbf	N	Deflection		Nat. Freq. – Hertz
		in	mm	
3	13.3	0.015	0.38	130
7.5	33.4	0.009	0.23	220
15	66.7	0.009	0.23	220
Material		Aluminum		

STANDARD CONFIGURATION



Model SPI (Shown)

OPTIONS

- Standardized output
- Custom calibration
- Transducer Electronic Data Sheet (TEDS)
- Add connector to cable
- Special temperature range

ACCESSORIES

- Instrumentation

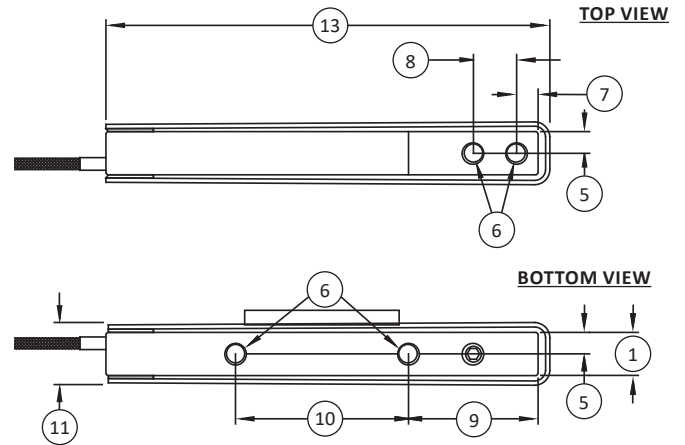
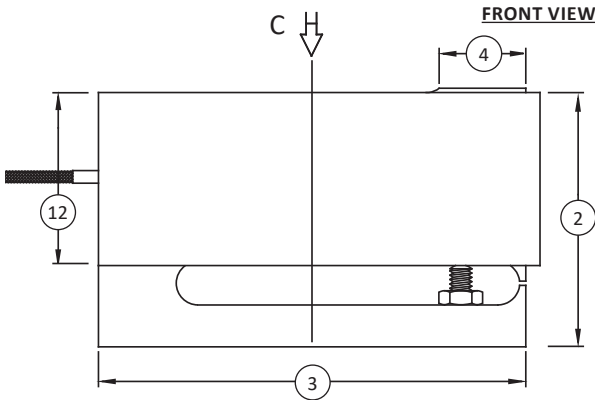
CONNECTOR OPTIONS

- 5 ft (1.5 m) integral cable

International System of Units (SI) dimensions and capacities are provided for conversion only. Standard products have U.S. capacities and dimensions. SI capacities available upon special request and at an additional cost.

* Consult factory for more technical information

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Notes:
 * C indicates compression load direction / primary axis

DIMENSIONS

See Drawing	CAPACITY							
	U.S. (lbf)		Metric (N)		U.S. (lbf)		Metric (N)	
	3	13.3	7.5	33.4	15	66.7		
	in	mm	in	mm	in	mm		
(1)	0.38	9.60	0.50	12.7	1.00	25.4		
(2)	2.99	75.9	2.99	75.9	2.99	75.9		
(3)	5.00	127	5.00	127	5.00	127		
(4)	1.00	25.4	1.00	25.4	1.00	25.4		
(5)	0.19	4.80	0.25	6.40	0.5	12.7		
(6)	10-32 UNF-2B ↓ 0.50	10-32 UNF-2B ↓ 12.7	¼-28 UNF-2B ↓ 0.56	¼-28 UNF-2B ↓ 14.2	¼-28 UNF-2B ↓ 0.56	¼-28 UNF-2B ↓ 14.2		
(7)	0.25	6.40	0.25	6.40	0.25	6.40		
(8)	0.50	12.7	0.50	12.7	0.50	12.7		
(9)	1.50	38.1	1.50	38.1	1.50	38.1		
(10)	2.00	50.8	2.00	50.8	2.00	50.8		
(11)	0.62	15.7	0.75	19.0	1.25	31.8		
(12)	2.00	50.8	2.00	50.8	2.00	50.8		
(13)	5.13	130.3	5.13	130.3	5.13	130.3		