

INTERFACE

Model SPI Series Capacities 25, 50, 100, 150

Why INTERFACE SPI load cells are the best in class:

- Proprietary Interface temperature compensated strain gages
- .01% nonrepeatability
- Safe overload to 200%
- .0008%/°F temp effect on output
- .012%/in eccentric load sensitivity

STANDARD CONFIGURATION

- 5 Ft Integral Cable (SPI-nn)

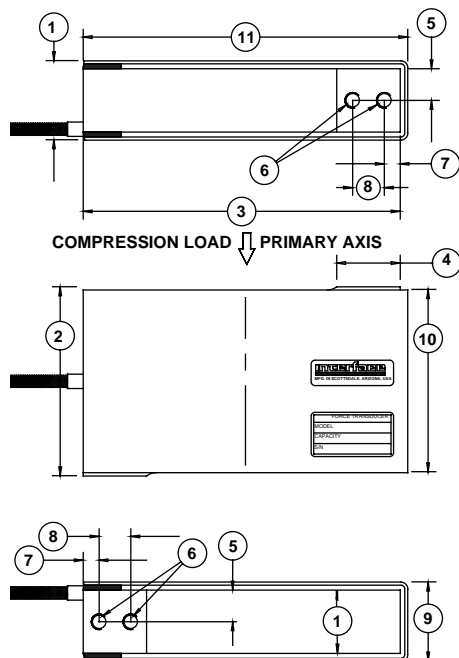
OPTIONS*

Extra cable length
Standardized output

ACCESSORIES*

Instrumentation

* See appendix for more technical information



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–%/inch.....0.002

TEMPERATURE

Compensated Range–F15 to 115
Compensated Range–C.....-10 to 45
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±5.0
Bridge Resistance–Ohm (Nominal)350
Excitation Voltage – MAX.....15 VDC
Insulation Resistance–Megohm5000

MECHANICAL

CalibrationComp.
Safe Overload–% CAP200
Cable length–ft5
Deflection @ RO–inchto .008
Natural Frequency/Deflection:

lbf	Deflection (inches)	Nat. Freq. (Hertz)
25	.008	240
50	.008	310
100	.007	470
150	.005	580

DIMENSIONS

See Drawing	CAPACITY (lbf)			
	25, 50		100, 150	
	inch	mm	inch	mm
①	1.00	25.4	1.00	25.4
②	3.00	76.2	3.00	76.2
③	5.00	127	6.00	152.4
④	1.00	25.4	1.50	38.1
⑤	0.50	12.7	0.50	12.7
⑥	1/4-28 UNF-2B		1/4-28 UNF-2B	
⑥	0.56 in deep		0.56 in deep	
⑦	0.25	6.40	0.25	6.40
⑧	0.50	12.7	1.00	25.4
⑨	1.25	31.8	1.25	31.8
⑩	2.88	73.0	2.88	73.0
⑪	5.12	130	6.12	155.4