

# Model SPI Platform Scale Load Cell

Capacities 3-15 lbf



Why the Interface model SPI Platform Scale Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- .01% nonrepeatability
- 400% compression overload protection
- .0008%/°F temp. effect on output
- Eccentric load compensated

## STANDARD CONFIGURATION

5 ft Integral Cable (SPI-nn)

## OPTIONS

- Tension & Compression
- Overload Protection
- Extra Cable Length
- Standardized Output

## ACCESSORIES

Instrumentation

Consult factory 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—%/in .....	0.012

### TEMPERATURE

Compensated Range—°F .....	15 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

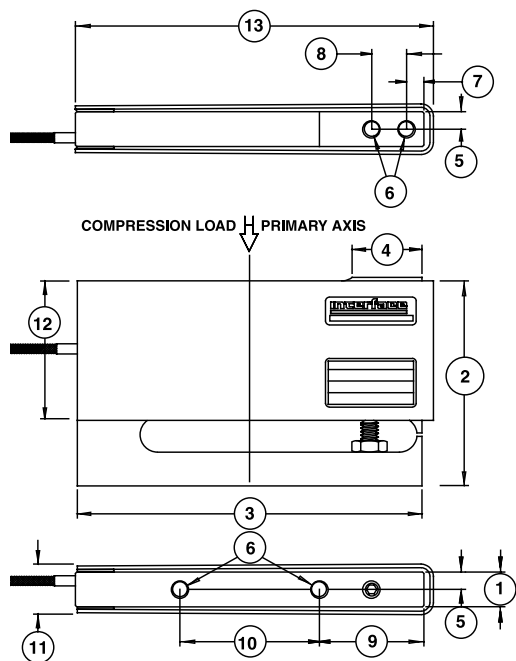
Rated Output—mV/V (Nominal) .....	3.0
Zero Balance—% RO .....	±5.0
Bridge Resistance—Ohm (Nominal) .....	350
Excitation Voltage – MAX .....	15 VDC
Insulation Resistance—Megohm .....	5000

### MECHANICAL

Calibration .....	Comp.
Safe Overload—% CAP .....	400
Cable length—ft .....	5
Deflection @ RO—inches .....	to .015

Natural Frequency/Deflection:

lbf	Deflection (inches)	Nat. Freq. (hertz)
3	.015	130
7.5	.009	220
15	.009	220



## DIMENSIONS

See Drawing	CAPACITY (lbf)					
	3		7.5		15	
	inch	mm	inch	mm	inch	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		1/4-28 UNF-2B		1/4-28 UNF-2B	
⑥	0.50 in deep		0.56 in deep		0.56 in deep	
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