

Model SSB Sealed Beam Load Cell



Why the Interface model SSB Sealed Beam Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- .01% nonrepeatability
- Environmentally sealed
- .0008%/°F temp. effect on output
- Compact size

STANDARD CONFIGURATION

10 ft Integral Cable (SSB-AJ-nn)
<or> 10 ft Integral Cable & Standardized Output (SSB-AP-nn)

OPTIONS

Extra Cable Length
Standardized Output

ACCESSORIES

Instrumentation
Load Button

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-°F0 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 Zero-% RO/°F – MAX±0.0015

ELECTRICAL

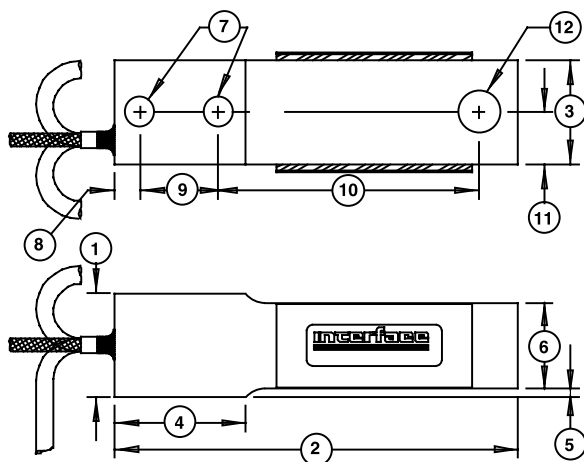
Rated Output-mV/V (Nominal)3.0
Zero Balance-% RO±1.0
Bridge Resistance-Ohm (Nominal) ...350
Excitation Voltage – MAX15 VDC
Insulation Resistance-Megohm5000

MECHANICAL

CalibrationCompression
Safe Overload-% CAP±150
Cable length-ft10
Natural Frequency/Deflection:

lbf	Deflection (inches)	Nat. Freq. (Hertz)
50	.004	2130
100	.004	2400
250	.005	3000
500	.010	2220
1000	.013	1970

DIMENSIONS



See Drawing	CAPACITY (lbf)									
	50		100		250		500		1000	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
①	0.98	24.9	0.98	24.9	0.98	24.9	1.00	25.4	1.50	38.1
②	2.38	60.5	2.38	60.5	2.38	60.5	3.88	98.6	5.00	127.0
③	0.50	12.7	0.50	12.7	0.50	12.7	1.00	25.4	1.00	25.4
④	0.97	24.6	0.97	24.6	0.97	24.6	1.25	31.8	1.75	44.5
⑤	0.11	2.80	0.11	2.80	0.11	2.80	0.09	2.30	0.10	2.50
⑥	0.82	20.8	0.82	20.8	0.82	20.8	0.82	20.8	1.36	34.5
⑦	0.17	4.30	0.17	4.30	0.17	4.30	0.28	7.10	0.41	10.3
⑧	0.25	6.40	0.25	6.40	0.25	6.40	0.25	6.40	0.38	9.70
⑨	0.50	12.7	0.50	12.7	0.50	12.7	0.75	19.1	1.00	25.4
⑩	1.31	33.3	1.31	33.3	1.31	33.3	2.50	63.5	3.25	82.6
⑪	0.25	6.40	0.25	6.40	0.25	6.40	0.50	12.7	0.50	12.7
⑫	0.17	4.30	0.17	4.30	0.17	4.30	0.40	10.2	0.40	10.2