

# 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



## 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-°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 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 – MAX .....15 VDC  
 Insulation Resistance-Megohm .....5000

**MECHANICAL**  
 Calibration .....Compression  
 Safe Overload-% CAP .....±150  
 Cable length-ft .....10  
 Natural Frequency/Deflection:

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

## STANDARD CONFIGURATION

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

## OPTIONS

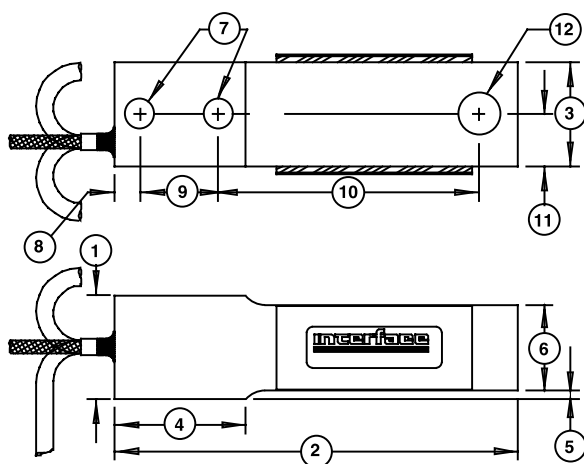
Extra Cable Length  
 Standardized Output

## ACCESSORIES

Instrumentation  
 Load Button

Consult factory for more technical information

## 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