

# SLH SERIES LOW HEIGHT S-TYPE LOAD CELLS

## FEATURES

- Compact Size
- Tension and Compression
- Accuracy-.05%-.10% of R.O.
- Integral Cable
- 3pt Tension Calibration
- Proprietary Modulus Compensated Strain Gages



## SPECIFICATIONS

Model	Capacity	U.S. lbf. Metric	SLH	
			10-300 50N-1.35kN	500, 1K 2.25kN,4.5kN
<b>PARAMETERS</b>				
<b>ACCURACY</b>				
Static Error Band, % Rated Output			+/-0.050	+/-0.100
Nonlinearity, % Rated Output			+/-0.050	+/-0.100
Hysteresis, % Rated Output			+/-0.050	+/-0.100
Nonrepeatability, % Rated Output			+/-0.030	+/-0.030
Creep, % in 20 minutes			+/-0.050	+/-0.050
Zero Balance, % Rated Output			+/-1.0	+/-1.0
<b>TEMPERATURE</b>				
Range, Compensated, °F			0 to +150	0 to +150
Range, Compensated, °C			-15 to +65	-15 to +65
Range, Operating, °F			-65 to +200	-65 to +200
Range, Operating, °C			-55 to +90	-55 to +90
Effect on Sensitivity, % Rdg/ °F			+/-0.0008	+/-0.0008
Effect on Sensitivity, % Rdg/ °C			+/-0.0015	+/-0.0015
Effect on Zero, % Rated Output/ °F			+/-0.005	+/-0.005
Effect on Zero, % Rated Output/ °C			+/-0.010	+/-0.010
<b>ELECTRICAL</b>				
Rated Output, mV/V, Nominal			2	2
Excitation Voltage, VDC Maximum			15	15
Input Resistance, Ohms			350	350
Output Resistance, Ohms			350	350
Insulation Resistance, Megohm			5000	5000
<b>MECHANICAL</b>				
Safe Overload Range, % Rated Capacity			+/-150	+/-150
Weight lb				
Flexure Material			Aluminum	

## DIMENSIONS

Model	Capacity	SLH					
		10 lbf	50 N	25, 50, 100 lbf	115, 225, 450 N	200,300, 500,1K lbf	900N,1.35kN, 2.25kN,4.5kN
<b>Dimensions</b>		inch	mm	inch	mm	inch	mm
1.		.73	18.6	.73	18.6	.98	24.9
2.		1.80	45.7	2.00	50.8	2.12	53.8
3.		.52	13.2	.64	16.3	.90	22.9
4.		.34	8.6	.46	11.7	.72	18.3
5.		.90	22.9	1.00	25.4	1.06	26.9
6.		.50	12.7	.50	12.7	.57	14.5
7.		10 - 32 .20 Deep		1/4 - 28 .25 Deep		3/8 - 24 .38 Deep	

