

COMPACT LOAD CELLS

SLH SERIES LOW HEIGHT S-TYPE LOAD CELLS

FEATURES

- Compact Size
- Tension and Compression
- Accuracy--.05%-.10% of R.O.
- Integral Cable



SPECIFICATIONS

PARAMETERS	SLH	
	5 - 1K lbf 25N - 4.5kN	
Accuracy	<=300 lbf	>300lbf
Static Error Band, % R.O.	+/- .05	+/- .10
Nonlinearity, % R.O.	+/- .05	+/- .10
Hysteresis, % R.O.	+/- .05	+/- .10
Nonrepeatability, % R.O.		+/- .03
Creep, % in 20 minutes		+/- .05
Zero Balance, % R.O.		+/- 1.0
Temperature		
Range, Compensated, °F	0 to +150	
Range, Operating, °F	-65 to +200	
Effect on Sensitivity, % Rdg/100°F	+/- .08	
Effect on Zero, % R.O./100°F	+/- .50	
Range, Compensated, °C	-15 to +65	
Range, Operating, °C	-55 to +90	
Effect on Sensitivity, % Rdg/100°C	+/- .15	
Effect on Zero, % R.O./100°C	+/- .75	
Electrical		
Rated Output, mV/V, Nominal	2.0	
Excitation Voltage, VDC	10	
Input Resistance, Ohms	350	
Output Resistance, Ohms	350	
Insulation Resistance, Megohm	5000	
Mechanical		
Safe Overload Range, % R.O.	+/- 150	
Flexure Material	Aluminum	

DIMENSIONS

Review Drawing	SLH					
	US (lbf)		Metric (N)		US (lbf)	
	5, 10 (inches)	25, 50 (mm)	25, 50 100 (inches)	115, 225 450 (mm)	200, 300 500, 1K (inches)	900, 1.35k 2.25k, 4.5k (mm)
1. Height	.73	18.6	.73	18.6	.98	24.9
2. Width	1.80	45.7	2.00	50.8	2.12	53.8
3. Total Thickness	.52	13.2	.64	16.4	.90	22.9
4. Flexure Thickness	.34	8.6	.46	11.8	.72	18.3
5. Hub Location	.90	22.9	1.00	25.4	1.06	26.9
6. Hub Width	.50	12.7	.50	12.7	.57	14.5
7. Hub Thread	10 - 32, .20 Dp.		1/4 - 28, .25 Dp.		3/8 24, .38 Dp.	

