

COMPACT LOAD CELLS

SCT SERIES PRECISION OVERLOAD PROTECTED S-TYPE LOAD CELLS

FEATURES

- Overload Protected to 1000% of FS in both Tension and Compression
- High Accuracy--.02% of R.O.
- Integral Cable



SPECIFICATIONS

PARAMETERS	SCT
	10 - 500 N 2.2 - 110 lbf
Accuracy	
Static Error Band, % R.O.	+/- .02
Nonlinearity, % R.O.	+/- .02
Hysteresis, % R.O.	+/- .02
Nonrepeatability, % R.O.	+/- .01
Creep, % in 20 minutes	+/- .025
Zero Balance, % R.O.	+/- 1.0
Temperature	
Range, Compensated, °F	0 to +125
Range, Operating, °F	-10 to +175
Effect on Sensitivity, % Rdg/100°F	+/- .08
Effect on Zero, % R.O./100°F	+/- .15
Range, Compensated, °C	-15 to +50
Range, Operating, °C	-25 to +80
Effect on Sensitivity, % Rdg/100°C	+/- .15
Effect on Zero, % R.O./100°C	+/- .27
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.	+/- 1000
Flexure Material	Aluminum

DIMENSIONS

Review Drawing	SCT			
	US (lbf)	Metric (N)	US (lbf)	Metric (N)
	2.2, 4.4	10, 20, 50	110	500
	11, 22, 55 (inches)	100, 250 (mm)	(inches)	(mm)
1. Width	2.00	50.8	2.00	50.8
2. Flexure Thickness	.50	12.7	1.00	25.4
3. Total Thickness	.85	21.6	1.35	34.3
4. Height	2.50	63.5	2.50	63.5
5. Load Thread	1/4 - 28	M6 X 1	1/2 - 20	M12X1.75

