


Miniature Compression Load Cell

Model 113	
	<p>Summary Information</p> <ul style="list-style-type: none"> • 5 lb to 500 lb • 17-4 PH Stainless Steel • Miniature size .38 to .50 Diameter • Bonded Foil Strain Gages • Nominal output 2 mV/V +/- 30% • Accuracy .2% to .5% FS

The Model 113 is wafer thin for compression force measurements in restricted areas. High frequency response with low deflection makes this load ideal for testing small parts and assemblies.

Detail Specifications	
Load Ranges	5 to 50 lb. OD 3/8" Ht. 0.13" 100-250 lb. OD 1/2" Ht. 0.15" 500 lb OD 3/4" Ht 0.25"
Deflection	0.002" at full scale Resonant Frequency 34 to 55 kHz depending on range
Non-Linearity & Hysteresis	+/- 0.4% FS
Non-Repeatability	+/- 0.08% FS
Sensitivity / Output	2 mV/V +/- 30%
Resolution	Infinite
Overload	150% Range
Zero Setting	≤ +/- 2% FS
Temperature, Operating	-65°F to +250°F
Temperature, Compensated	60°F -160°F
Thermal Error, Zero	0.012% FS/°F
Thermal Error, Span	0.025% Reading/°F
Excitation Voltage	Calibrated at 5.0 VDC (max 7 VDC)
Insulation Resistance	>5000 megohms
Bridge Resistance	350 Ω

Miniature Compression Load Cell (Continued)

Detail Specifications	
Weight	<1 ounce
5 Ft twisted color coded TFE insulated wires..	
In-Line Circuit Board ~2" X 0.1"	
Located~ 16" from load cell	
Contains bridge zero setting resistors	