

General Purpose Low Cost Compression Load Cell

Model 153



Summary Information

- Ranges of 5 lb to 30,000 lb
- 17-4 PH Stainless Steel
- Size 1 to 2 inch diameter
- Tapped Mounting Holes in Base
- Spherical Loading Surface
- Millivolt output
- Accuracy 1% FS

General purpose compression type load cell for test and measurement applications.

Detail Specifications

Load Ranges	5 to 30,000 lb
Deflection	0.002" at full scale
Non-Linearity & Hysteresis	+/- 0.5% FS
Non-Repeatability	+/- 0.1% FS
Sensitivity / Output	2 mV/V +/- 30%
Resolution	Infinite
Maximum Overload	150% Range
Zero Setting	2% FS
Temperature, Operating	-65°F to +250°F
Temperature, Compensated	60°F to 160°F
Thermal Error, Zero	0.007%FS/°F
Thermal Error, Span	0.025%Reading/°F
Excitation Voltage	Calibrated at 10 Vdc (max 12 Vdc)
Insulation Resistance	>5000 MΩ
Bridge Resistance	350 Ω
Weight	~ 8 ounces
5 ft TFE cable with four color coded 3" flying leads	Red, Black, White, and Green