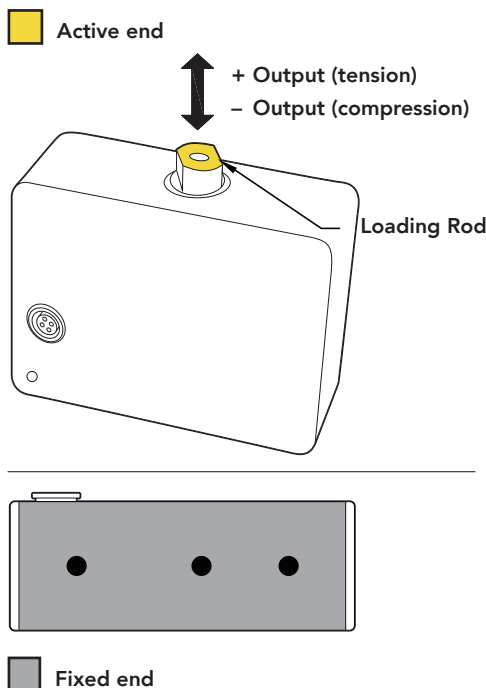




FEATURES

- High accuracy
- Overload protection
- For use in both tension and compression
- Integrated connector, detachable cable available

IMPORTANT NOTE: DO NOT ROTATE THE LOADING ROD AS IT WILL CAUSE DAMAGE TO THE SENSOR



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.05% of RO
Hysteresis	±0.05% of RO
Nonrepeatability	±0.05% of RO
Creep	±0.05% of Load

ELECTRICAL

Rated Output (RO)	2 mV/V nom
Excitation (VDC or VAC)	18 max
Bridge Resistance	1000 Ohm nom
Insulation Resistance	≥500 Mohm @ 50 VDC
Connection	4 Pin LEMO Receptacle
Connector Code	CC4

MECHANICAL

Weight (approximate)	5 oz [140 g]
Safe Overload	See chart on next page
Material	Aluminum, Red Anodized (Housing)
IP Rating	IP40

TEMPERATURE

Operating Temperature	-60 to 200°F [-50 to 93°C]
Compensated Temperature	60 to 160°F [15 to 71°C]
Temperature Shift Zero	±0.005% of RO/°F [0.01% of RO/°C]
Temperature Shift Span	±0.005% of Load/°F [0.01% of Load/°C]

CALIBRATION

Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt compression
Calibration (available)	Tension and Compression
Shunt Calibration Value	150 kOhm



RoHS



DIMENSIONS inches [mm]

Top View Dimensions:
Overall width: 2.58 [65.4]
Distance from left edge to center hole: 1.43 [36.3]
Distance from left edge to mounting hole: 0.48 [12.2]
Overall height: 0.96 [24.4]
Distance from bottom edge to mounting hole: 0.32 [8.1]

Side View Dimensions:
Overall height: 2.27 [57.7]
Distance from top edge to mounting hole: 0.27 [6.9]
Distance from bottom edge to mounting hole: 1.00 [25.4]
Distance from left edge to mounting hole: 2X 0.50 [12.7]
Distance from right edge to mounting hole: 2.00 [50.8]
Mounting hole diameter: 0.31 [7.9] FLAT
*ORIENTATION OF FLATS MAY VARY

Adapter Material: ALUMINUM (0.25 lb to 1 lb) S.S. (2.2 lb to 100 lb)
Mounting Hole: #10-32 UNF-2B X 0.38 [9.7] DEEP
LEMOS RECEPTACLE: EGG.0B.304.CLL MATING CONNECTOR FGG.0B.304.CLAD35 (NOT INCLUDED)
Bottom Mounting: 3X #10-32 UNF-2B X 0.25 [6.4] DEEP

CAPACITIES

ITEM #	lb	N	Safe Overload (lb)	Deflection (in)	Natural Frequency (Hz)
FSH04036	0.25	1.1	50	0.0024	220
FSH04037	0.50	2.2	50	0.0014	390
FSH04038	1	4.5	50	0.0043	320
FSH04039	2.2	9.8	250	0.0040	320
FSH04040	5	22.2	250	0.0049	430
FSH04041	10	44.5	250	0.0046	630
FSH04042	25	111	250	0.0046	990
FSH04043	50	222	250	0.0044	1430
FSH04044	100	445	250	0.0048	1930

LEMO 4-PIN (CC4)

PIN	COLOR	DESCRIPTION
1	Red	+ Excitation
2	Green	+ Signal
3	White	- Signal
4	Black	- Excitation

Align with key