



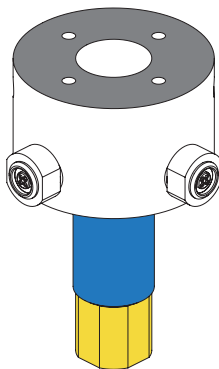
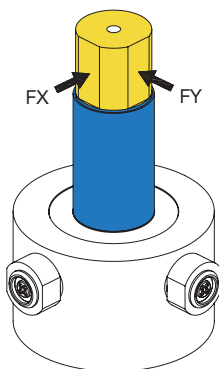
FEATURES

- Measures Fx and Fy loads
- Ideal for high speed planar force measurements for automation systems
- Ideal for embedded automotive and aircraft control stick force measurement

 Non-loading surface, do not contact

 Active End

 Fixed End



SPECIFICATIONS

PERFORMANCE

Nonlinearity $\pm 0.1\%$ of RO

ELECTRICAL

Rated Output (RO) 2 mV/V nom (50 lb)
3 mV/V nom (200 lb)

Excitation (VDC or VAC) 18 max

Bridge Resistance 350 Ohm

Insulation Resistance ≥ 500 MOhm @ 50 VDC

Connection 4 Pin LEMO receptacle EGG.0B.304.CLL

Connector Code CC4

MECHANICAL

Weight (approximate) 16 oz (454 g)

Safe Overload 150% of RO

Material Stainless-steel

IP Rating IP50

TEMPERATURE

Operating Temperature -60 to 200°F (-51 to 93°C)

Compensated Temperature 60 to 160°F (15 to 72°C)

Temperature Shift Zero $\pm 0.025\%$ of RO/ $^{\circ}\text{F}$ (0.045% of RO/ $^{\circ}\text{C}$)

Temperature Shift Span $\pm 0.01\%$ of Load/ $^{\circ}\text{F}$ (0.018% of Load/ $^{\circ}\text{C}$)

CALIBRATION

Calibration Test Excitation 10 VDC

Calibration (standard) 5-pt Tension

Calibration (available) Compression

Shunt Calibration Value 60.4 kOhm (50 lb)
43.575 kOhm (200 lb)

CONFORMITY

RoHS 2011/65/EU

CE EN55011:2009; EN61326-1:2006

Sensor Solution Source

Load · Torque · Pressure · Multi-Axis · Calibration · Instruments · Software

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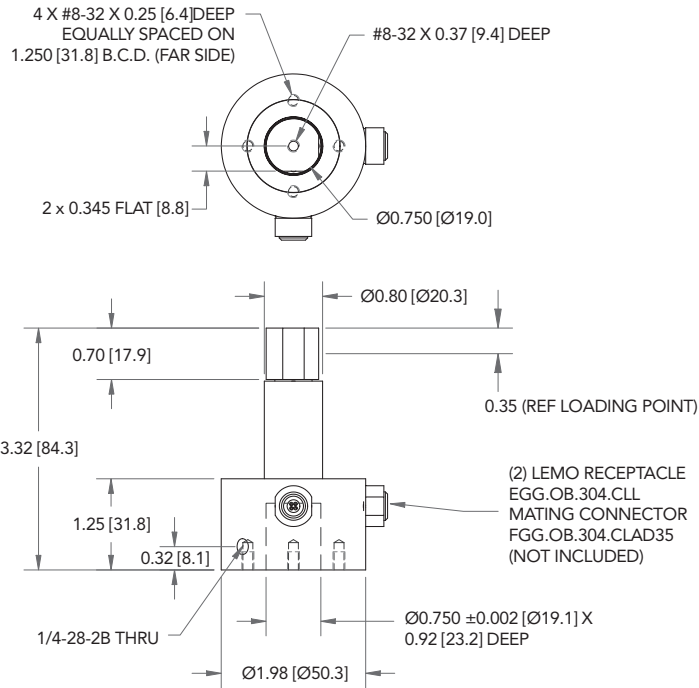


RoHS



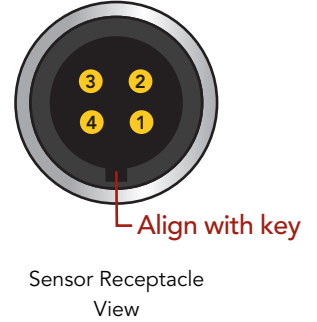
U.S. Manufacturer

DIMENSIONS inches [mm]



LEMO 4-PIN (CC4)

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



CAPACITIES

ITEM #	lb	Deflection (in)	Natural Frequency (Hz)
FSH03934	50	0.0078	800
FSH04054	200	0.011	1300

Drawing Number: FI1230-B

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