



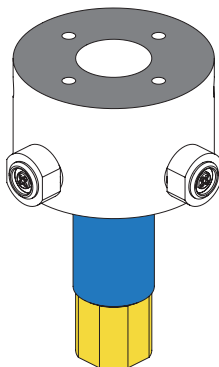
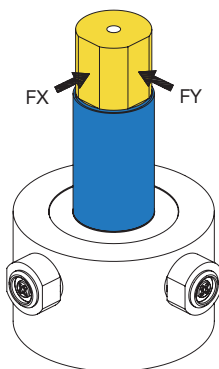
## FEATURES

- 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  $\geq 500$  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  $200^{\circ}\text{F}$  ( $-51$  to  $93^{\circ}\text{C}$ )

Compensated Temperature  $60$  to  $160^{\circ}\text{F}$  ( $15$  to  $72^{\circ}\text{C}$ )

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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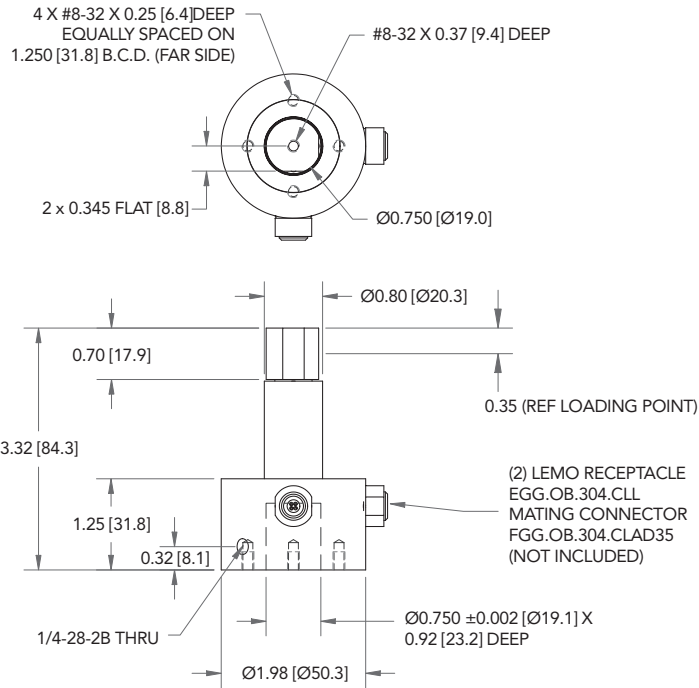


RoHS



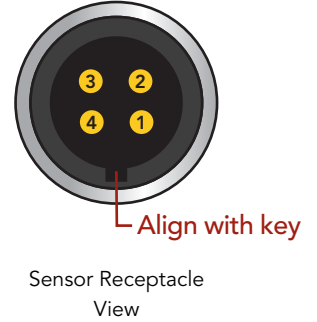
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**DIMENSIONS** inches [mm]



**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)
<b>FSH03934</b>	50	0.0078	800
<b>FSH04054</b>	200	0.011	1300

Drawing Number: FI1230-B

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