



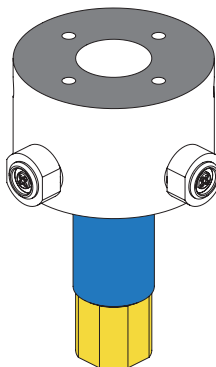
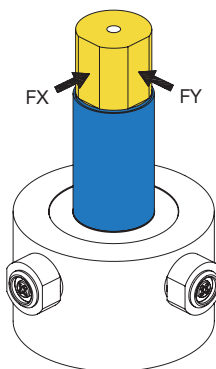
FEATURES

- 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/°F (0.045% of RO/°C)

Temperature Shift Span $\pm 0.01\%$ of Load/°F (0.018% of Load/°C)

CALIBRATION

Calibration Test Excitation 10 VDC

Calibration (standard) 5-pt Tension

Calibration (available) Compression

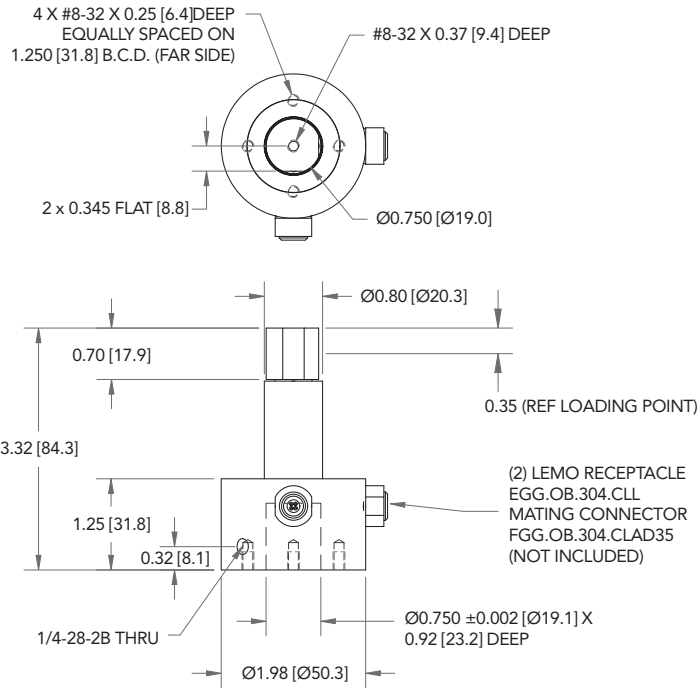
Shunt Calibration Value 60.4 kOhm (50 lb)
43.575 kOhm (200 lb)

CONFORMITY

RoHS 2011/65/EU

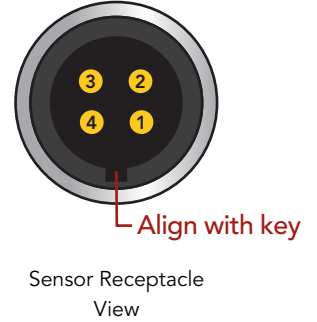
CE EN55011:2009; EN61326-1:2006

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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RoHS



U.S. Manufacturer