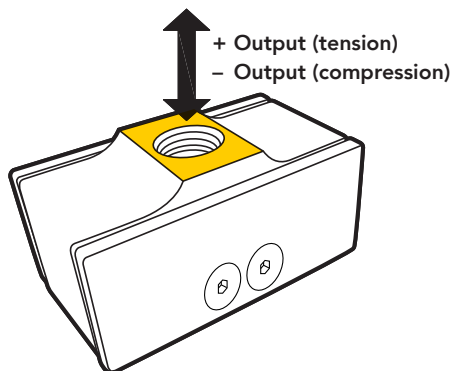




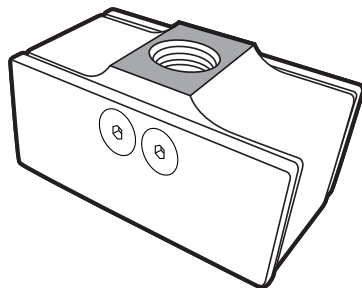
FEATURES

- For use in both tension and compression
- Low profile
- 3 mV/V High Level Output
- Natural Frequency up to 11 kHz
- High accuracy
- Easy to integrate on flat loading surfaces

Active end



Fixed end



SPECIFICATIONS

PERFORMANCE

| | |
|------------------|--------------|
| Nonlinearity | ±0.1% of RO |
| Hysteresis | ±0.1% of RO |
| Nonrepeatability | ±0.05% of RO |
| Creep | ±0.05% of RO |

ELECTRICAL

| | |
|-------------------------|-----------------------|
| Rated Output (RO) | 3 mV/V nom |
| Excitation (VDC or VAC) | 18 max |
| Bridge Resistance | 350 Ohm nom |
| Insulation Resistance | ≥500 Mohm @ 50 VDC |
| Connection | 4 Pin LEMO Receptacle |
| Connector Code | CC4 |

MECHANICAL

| | |
|----------------------|---|
| Weight (approximate) | 2 oz (200-300 lb) [56.7g] 5 oz (500-1000 lb) [141g] |
| Safe Overload | 150% of RO |
| Material | 200 lb, 300 lb: Aluminum 500 lb, 1000 lb: Stainless Steel Cover red anodized aluminum |
| IP Rating | IP40 |

TEMPERATURE

| | |
|-------------------------|---------------------------------------|
| Operating Temperature | -60 to 200°F [-51 to 93°C] |
| Compensated Temperature | 60 to 160°F [16 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

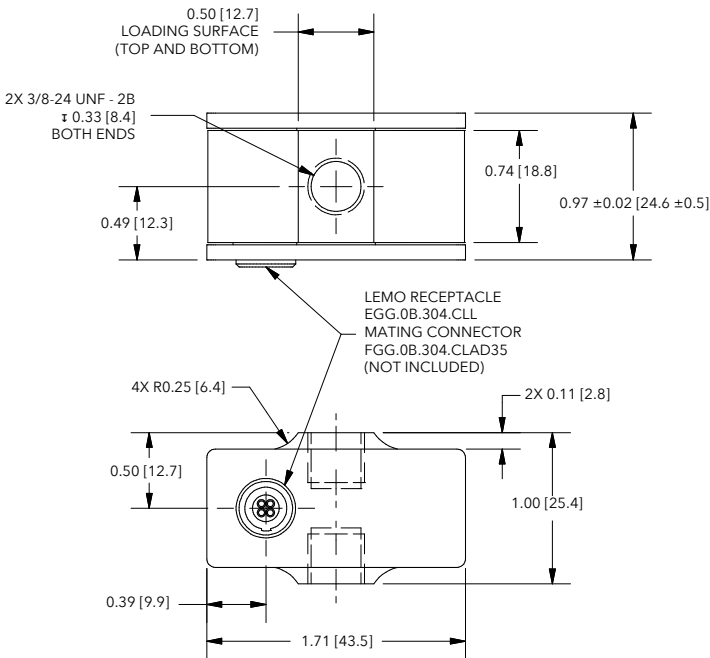
| | |
|-----------------------------|-------------------------|
| Calibration Test Excitation | 10 VDC |
| Calibration (standard) | 5-pt tension |
| Calibration (available) | Tension and Compression |
| Shunt Calibration Value | 43.575 kOhm |

CONFORMITY

| | |
|------|--------------------|
| RoHS | EU 2015/863 |
| CE | EN55011; EN61326-1 |

DIMENSIONS inches [mm]

TOLERANCE:
 .X ± 0.1" [2.5]
 .XX ± 0.01" [0.25]
 .XXX ± 0.005" [0.127]

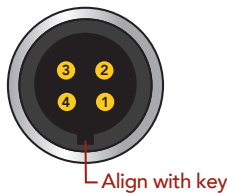


CAPACITIES

| ITEM # | lb | N | Deflection (in) | Natural Frequency (Hz) |
|----------|------|------|-----------------|------------------------|
| FSH04730 | 200 | 890 | 0.0031 | 7800 |
| FSH04731 | 300 | 1334 | 0.0025 | 10300 |
| FSH04732 | 500 | 2224 | 0.0035 | 6900 |
| FSH04733 | 1000 | 4450 | 0.0025 | 11000 |

LEMO 4-PIN (CC4)

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



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RoHS



U.S. Manufacturer