


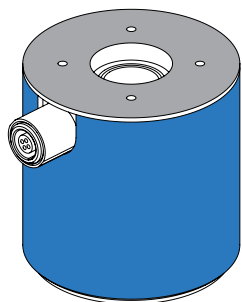
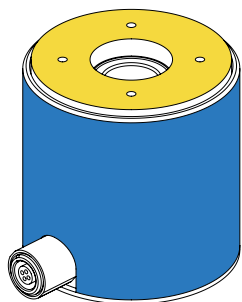




FEATURES

- Easily integrates into OEM applications
- Designed for Torque auditing
- Aluminum construction
- Built-in overload protection on lower ranges
- Strain gauge based
- Easy cable disconnect

-  Active End
-  Fixed End
-  Non-loading surface, do not contact



SPECIFICATIONS

PERFORMANCE

| | |
|------------------|--------------|
| Nonlinearity | ±0.2% of RO |
| Hysteresis | ±0.2% of RO |
| Nonrepeatability | ±0.05% of RO |

ELECTRICAL

| | |
|-------------------------|---|
| Rated Output (RO) | 1 mV/V nom (5 in-oz) 2 mV/V nom (10 in-oz to 500 in-lb) |
| Excitation (VDC or VAC) | 18 max |
| Bridge Resistance | 350 Ohm nom (5 to 1000 in-oz) 700 Ohm nom (100 to 500 in-lb) |
| Connection | 4 Pin LEMO® Receptacle (EGG.0B.304.CLL) |
| Wiring/Connector Code | CC4 |

MECHANICAL

| | |
|----------------------|---|
| Weight (approximate) | 9 oz [250 g] |
| Safe Overload | 300% (5 to 1000 in-oz) of RO 150% (100 in-lb to 500 in-lb) of RO |
| Material | Aluminum |
| IP Rating | IP40 |

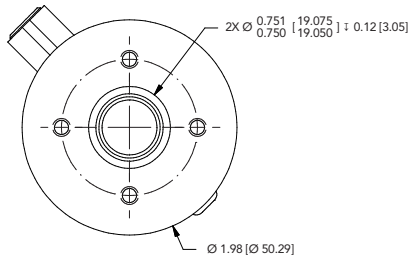
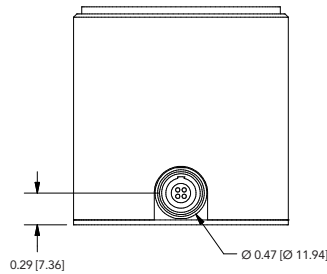
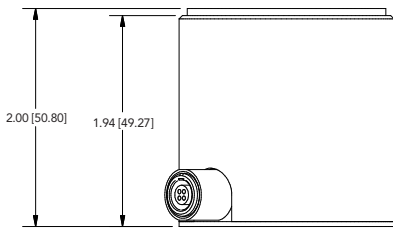
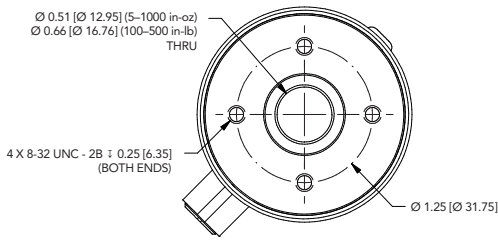
TEMPERATURE

| | |
|-------------------------|---|
| Operating Temperature | -60 to 200°F (-50 to 93°C) |
| Compensated Temperature | 60 to 160°F (15 to 72°C) |
| Temperature Shift Zero | ±0.002% of RO/°F (0.0036% of RO/°C) |
| Temperature Shift Span | ±0.002% of Load/°F (0.0036% of Load/°C) |

CALIBRATION

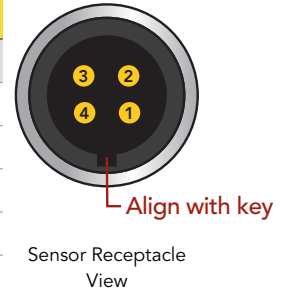
| | |
|-----------------------------|--|
| Calibration Test Excitation | 10 VDC |
| Calibration (standard) | 5-pt CW |
| Calibration (available) | 5-pt CW & CCW |
| Shunt Calibration Value | 60.4 kOhm (10 to 1000 in-oz) 100 kOhm (5 in-oz, 100 to 500 in-lb) |

DIMENSIONS inches [mm]



LEMO 4-PIN

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



CAPACITIES

| ITEM # | in-oz | Nm | Torsional Stiffness in-oz/rad | Natural Frequency (Hz) |
|----------|-----------|------|----------------------------------|------------------------------|
| FSH03981 | 5* | 0.04 | 560 | 95 |
| FSH03982 | 10* | 0.07 | 560 | 95 |
| FSH03984 | 50* | 0.35 | 4200 | 260 |
| FSH03985 | 160* | 1.1 | 21000 | 504 |
| FSH03986 | 400* | 2.8 | 62400 | 860 |
| FSH03987 | 1000* | 7.1 | 211900 | 1760 |
| FSH04015 | 100 in-lb | 11 | 36400 in-lb/rad | 2980 |
| FSH04016 | 200 in-lb | 22 | 61400 in-lb/rad | 3850 |
| FSH04017 | 500 in-lb | 56 | 122000 in-lb/rad | 5400 |

*With overload protection.

For high capacities refer to models TFF600 and TDF600-675.

Drawing Number: FI1457-A

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RoHS



U.S. Manufacturer