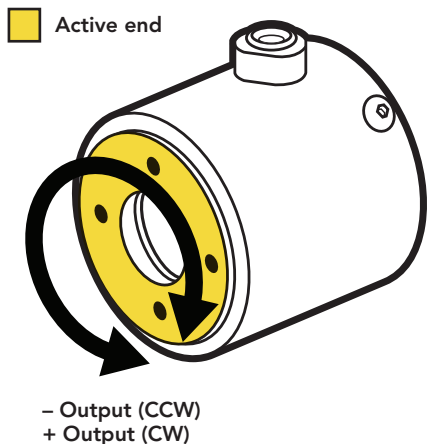




FEATURES

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



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. OB. 304 CLL)
Wiring/Connector Code	CC4

MECHANICAL

Weight (approximate)	9 oz [250 g]
Safe Overload	300% (5 to 400 in-oz) of RO 150% (1000 in-oz to 500 in-lb) of RO
Material	Aluminum
IP Rating	IP40

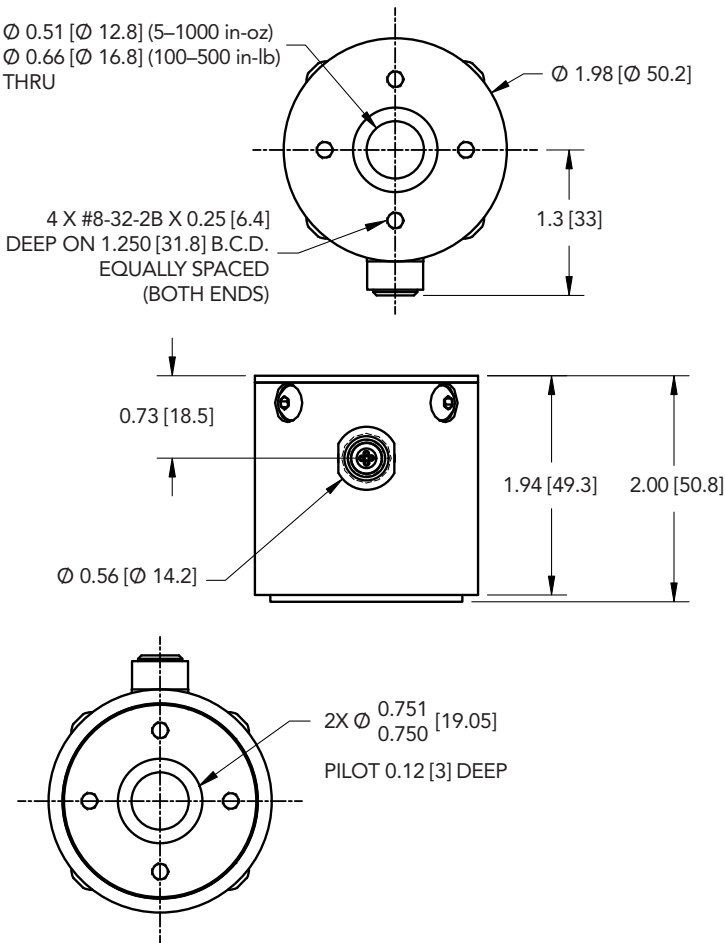
TEMPERATURE

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]



CAPACITIES

ITEM #	in-oz	Nm	Torsional Stiffness in-oz/rad
FSH02587	5*	0.04	325
FSH02588	10*	0.07	650
FSH02590	50*	0.35	3500
FSH02592	160*	1.1	11000
FSH02593	400*	2.8	30000
FSH02594	1000	7.1	71000
FSH02595	100 in-lb	11	77000 in-lb/rad
FSH02596	200 in-lb	22	95000 in-lb/rad
FSH02597	500 in-lb	56	199000 in-lb/rad

* WITH OVERLOAD PROTECTION
 FOR HIGHER CAPACITIES REFER TO MODELS TFF600–750 AND TDF600–675

CONNECTOR CODE (CC4)

PIN	WIRING CODE
1	+ EXCITATION/RED
4	– EXCITATION/BLACK
2	+ SIGNAL/GREEN
3	– SIGNAL/WHITE

Drawing Number: FI1251-F

FUTEK reserves the right to modify its design and specifications without notice.
 Please visit <http://www.futek.com/salesterms> for complete terms and conditions.

10 Thomas, Irvine, CA 92618 USA

Tel: (949) 465-0900

Fax: (949) 465-0905

www.futek.com



U.S. Manufacturer