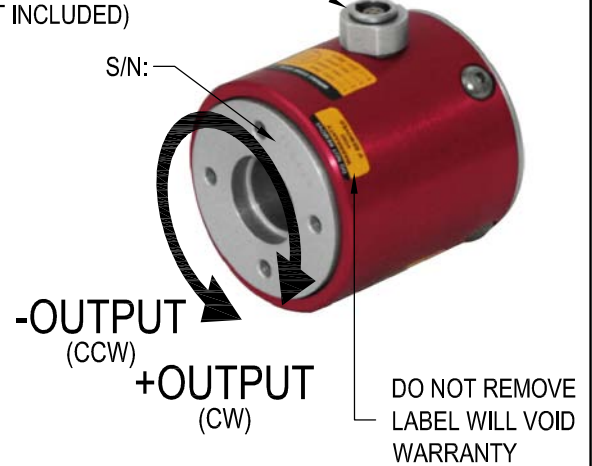
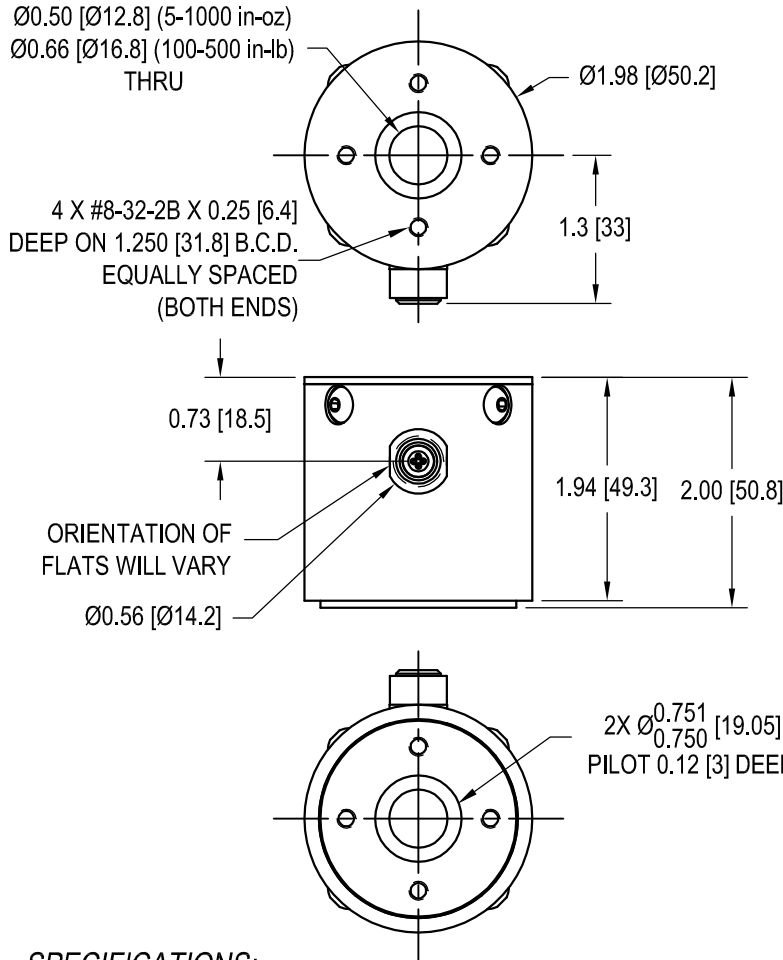


FLANGE TO FLANGE REACTION TORQUE SENSOR WITH THRU HOLE CENTER

TFF400

LEMO RECEPTACLE
EGG.0B.304.CLL
*MATING CONNECTOR
FGG.0B.304.CLAD35
(NOT INCLUDED)

RED DOT KEY



NOTE: UNIT WILL HAVE RED ANODIZED COVER
AFTER MANUFACTURE DATE OF 01/15/2010

Drawing Number: FI1251-A

INCH [mm] R.O.= Rated Output

WIRING CODE (CC4)			
+Excitation	-Excitation	+Signal	-Signal
PIN 1	PIN 4	PIN 2	PIN 3

SPECIFICATIONS:

RATED OUTPUT	1 mV/V nom. (5 in-oz) 2 mV/V nom. (10 in-oz to 500 in-lb)
SAFE OVERLOAD	300% (5 to 400 in-oz) 150% (1000 in-oz to 500 in-lb)
ZERO BALANCE	±1% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	350 Ω nom. (5 to 1000 in-oz) 700 Ω nom. (100 to 500 in-lb)
NONLINEARITY	±0.2% of R.O.
HYSTERESIS	±0.2% of R.O.
NONREPEATABILITY	±0.05% of R.O.
TEMP. SHIFT ZERO	±0.002% of R.O./°F [0.0036% of R.O./°C]
TEMP. SHIFT SPAN	±0.002% of LOAD/°F [0.0036% of LOAD/°C]
COMPENSATED TEMP.	60 to 160°F [15 to 72°C]
OPERATING TEMP.	-60 to 200°F [-50 to 93°C]
WEIGHT	9 oz [250 g]
MATERIAL	ALUMINUM
CONNECTOR:	4 Pin Lemo Receptacle (EGG.0B.304.CLL)
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE	
CALIBRATION (STD)	5 pt. CW; 60.4K Ω SHUNT CAL. VALUE (5 to 1000 in-oz) 100K Ω SHUNT CAL. VALUE (100 to 500 in-lb)
CALIBRATION (OPTIONAL)	5pt. CCW
CALIBRATION TEST EXCITATION	10 VDC

ITEM#	CAPACITY		TORSIONAL STIFFNESS in-oz/rad
	in-oz	Nm	
FSH02587	5*	0.04	325
FSH02588	10*	0.08	650
FSH02589	20*	0.15	1600
FSH02590	50*	0.37	3500
FSH02591	100*	0.75	7300
FSH02592	160*	1.2	11000
FSH02593	400*	3.0	30000
FSH02594	1000	7.5	71000
FSH02595	100 in-lb	12	77000 in-lb/rad
FSH02596	200 in-lb	24	95000 in-lb/rad
FSH02597	500 in-lb	60	199000 in-lb/rad

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