FUTEK MODEL T5100

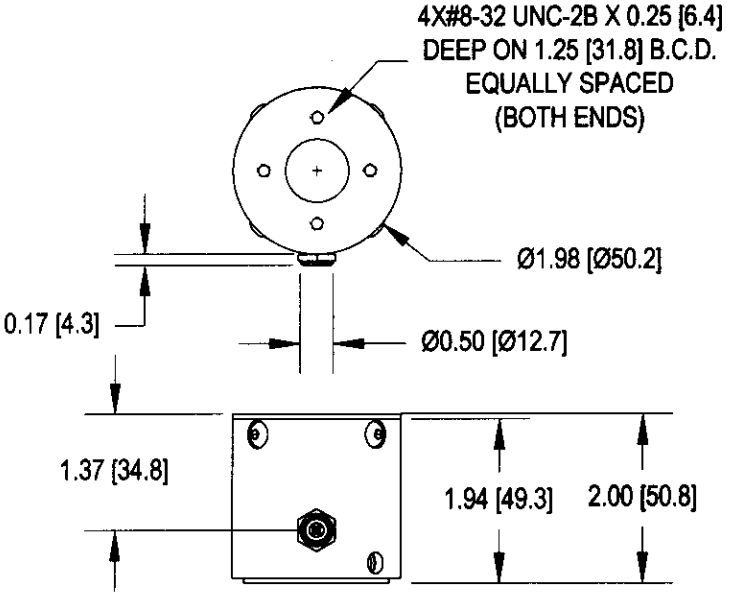
FLANGE TO FLANGE REACTION TORQUE SENSOR WITH BLIND CENTER

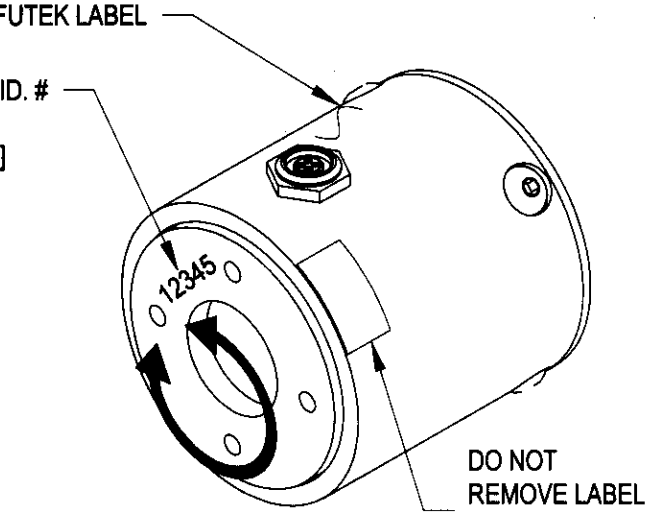
Drawing Number: F1173-12

INCH [mm] | R.O.= Rated Output

WIRING CODE (CC4)

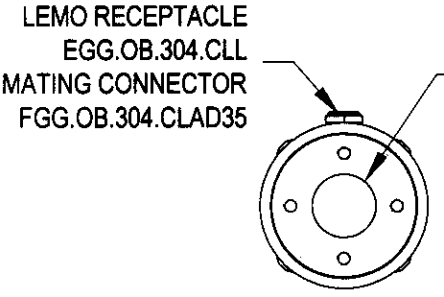
+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE





+OUTPUT
(CW)

CONTACT FACTORY FOR THRU CENTER HOLE VERSION.



CAPACITY in-oz	CAPACITY Nm	TORSIONAL STIFFNESS in-oz/rad
5*	0.04	325
10*	0.08	700
20*	0.15	1600
50*	0.37	3500
100*	0.75	7300
160*	1.2	11000
400*	3.0	30000
1000	7.5	71000

* WITH OVERLOAD PROTECTION

FOR HIGHER CAPACITIES REFER TO MODELS T5101, T5400 AND T5410

SPECIFICATIONS:

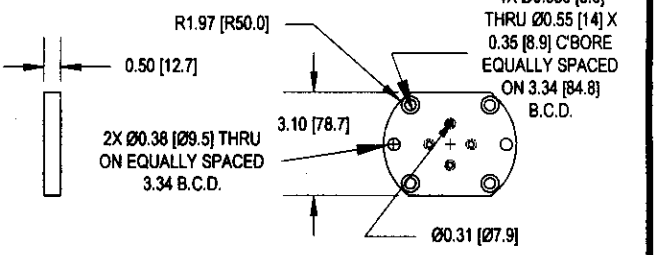
RATED OUTPUT	*1.5 mV/V nom. (5 in-oz) 2 mV/V nom. (10 to 1000 in-oz)*
SAFE OVERLOAD	*300% (5 to 400 in-oz) 150% (1000 in-lb)*
ZERO BALANCE	*±1% of R.O.*
EXCITATION (VDC OR VAC)	*18 MAX*
BRIDGE RESISTANCE	*350 Ω nom.*
NONLINEARITY	*±0.2% of R.O.*
HYSTERESIS	*±0.2% of R.O.*
NONREPEATABILITY	*±0.05% of 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°F]*
OPERATING TEMP.	*-60 to 200°F [-50 to 93°C]*
WEIGHT	*9 oz [250 g]*
MATERIAL	*ALUMINUM*

CONNECTOR: 4 Pin LEMO Receptacle (EGG.OB.304.CLL)

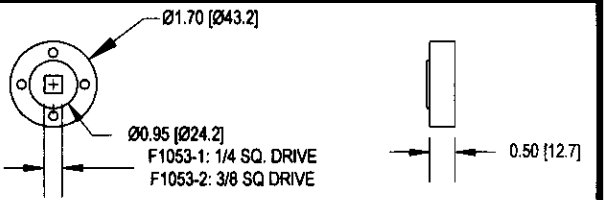
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD)	*5 pt. CW and CCW; 60KΩ SHUNT CAL. VALUE*
CALIBRATION TEST EXCITATION	*10 VDC*

F1346 OPTIONAL MOUNTING PLATE



F1053 OPTIONAL 1/4" & 3/8" SQUARE ADAPTER



FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

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