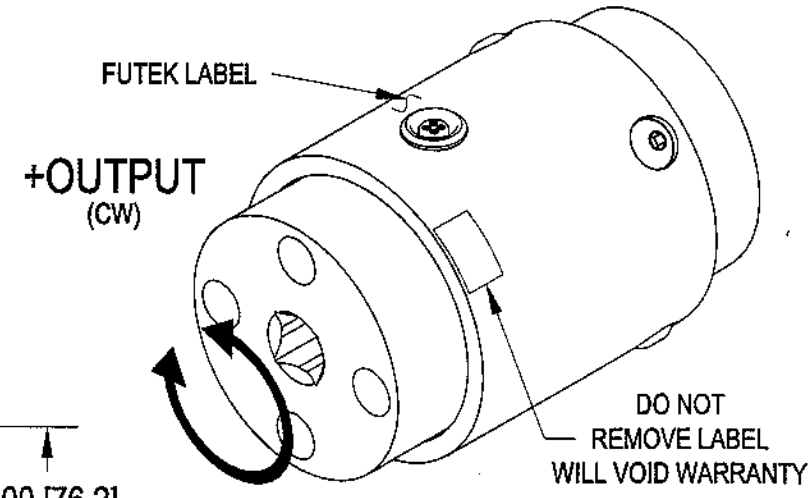
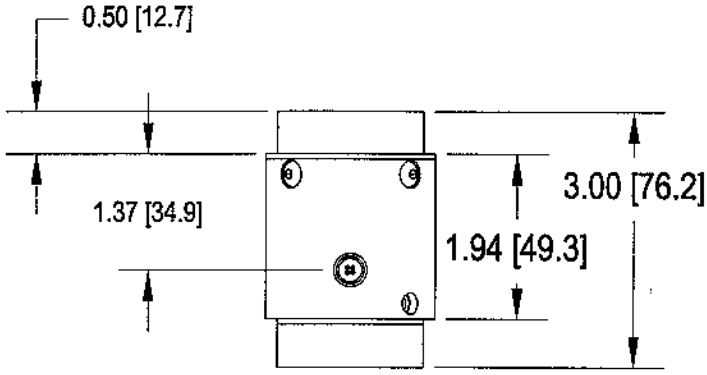
FUTEK MODEL T5103

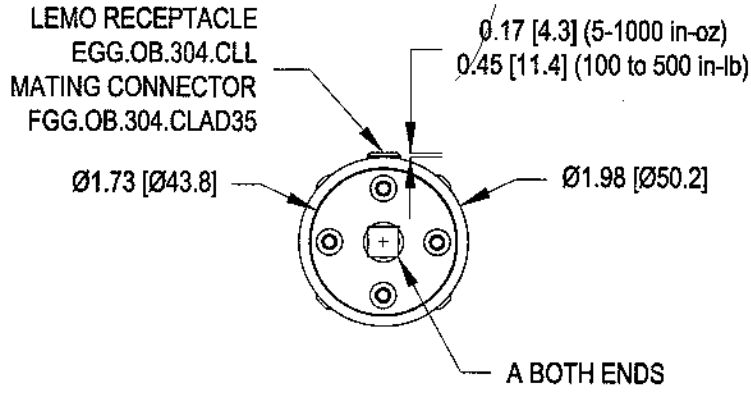
SQUARE DRIVE TO SQUARE DRIVE REACTION TORQUE SENSOR

Drawing Number: F3256	
INCH [mm]	R.O.= Rated Output

WIRING CODE (CC4)			
+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE







CAPACITY in-oz	CAPACITY Nm	A	TORSIONAL STIFFNESS in-oz/rad
5*	0.04	1/4" SQ DRIVE	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

* OVERLOAD PROTECTION ON 5 to 400 in-oz [0.04 to 3 Nm]

CAPACITY in-lb	CAPACITY Nm	A	TORSIONAL STIFFNESS in-lb/rad
100	12	3/8" SQ DRIVE	77000
200	24		95000
500	60		199000

FOR HIGHER CAPACITIES REFER TO MODELS T5400/T5410

SPECIFICATIONS:

RATED OUTPUT	*1.5 mV/V nom. (5 in-oz) 2 mV/V nom. (10 in-oz to 500 in-lb)*
SAFE OVERLOAD	*150% of R.O.*
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	*14 oz [397 g]*
MATERIAL	*ALUMINUM*

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

ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD)	*5 pt. CW and CCW; 60K Ω (5 to 1000 in-oz) 100K Ω (100 to 500 in-lb) SHUNT CAL. VALUE*
CALIBRATION TEST EXCITATION	*10 VDC*

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

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