

FUTEK MODEL TRS300

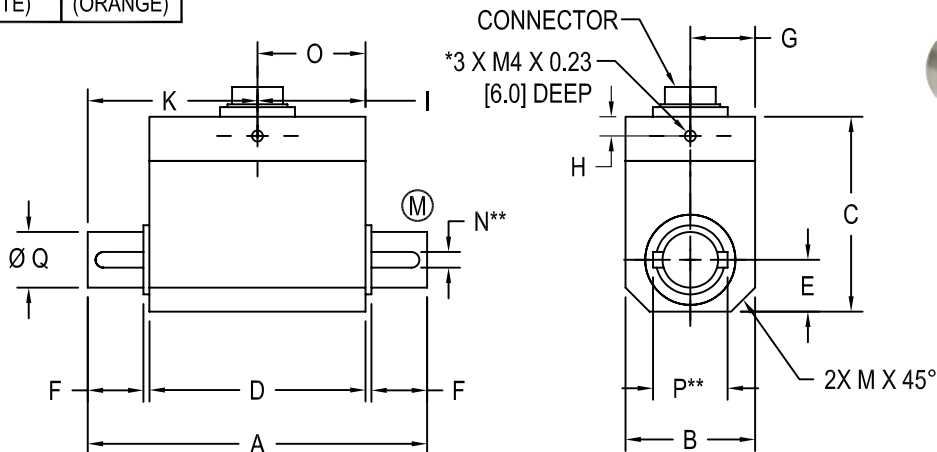
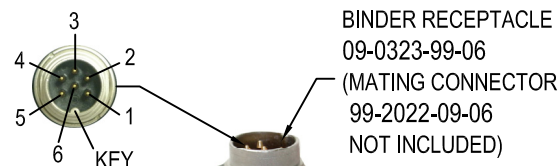
SHAFT TO SHAFT ROTARY TORQUE SENSOR

Drawing Number: FI1025-E

CE COMPLIANT

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

CONNECTOR CODE (CABLE PACKAGE WIRING CODE)			
-Excitation	+Excitation	Shield	+Signal
PIN '1' (BLACK)	PIN '2' (RED)	PIN '3' (FLOATING)	PIN '4' (GREEN)
-Signal	Shunt Cal		
PIN '5' (WHITE)	PIN '6' (ORANGE)		

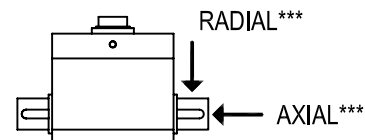


(M) = MEASURING SIDE

* ANTI-ROTATION HOLES, NOT TO BE USED TO SUPPORT LOAD.

** FEATHER KEYWAYS PER DIN 6885, KEYWAYS COME PRE-INSTALLED.

*** MAXIMUM LOAD ALLOWED, NOT FOR MEASUREMENT.



ITEM #	CAPACITY		Ø Q	A	B	C	D	E	F	G	H	I	K	M	N**	P**	O	***MAX. AXIAL	***MAX. RADIAL	WEIGHT
	in-lb	N-m																FORCE lb[N]	FORCE lb[N]	
FSH01987	89	10	0.748 [19] g6	4.25 [108]	1.49 [38]	2.28 [58]	1.73 [44]	0.74 [19]	1.18 [30]	0.74 [19]	0.23 [6]	0.86 [22]	2.08 [53]	0.40 [10]	0.236 [6]	0.945 [24]	0.87 [22]	34	4.5	1.1 [0.5]
FSH01988	177	20																124	6.8	
FSH01989	443	50																225	11	
FSH01990	885	100																405	56	
FSH01991	1770	200	1.496 [38] g6	7.16 [182]	2.87 [73]	3.54 [90]	2.24 [57]	1.43 [36.5]	2.36 [60]	1.43 [36.5]	0.19 [5]	1.12 [28.5]	3.56 [90.5]	0.71 [18]	0.394 [10]	1.732 [44]	1.14 [29]	900	67	5.2 [2.35]
FSH01992	4425	500																1350	90	
FSH01993	8851	1000																1350	90	

SPECIFICATIONS:

RATED OUTPUT 2 mV/V nom
SAFE OVERLOAD 150% of R.O.
ZERO BALANCE ±1% of R.O.
EXCITATION (VDC OR VAC) 5 to 11
BRIDGE RESISTANCE 350 Ω nom.
NONLINEARITY ±0.2% of R.O.
HYSTERESIS ±0.1% of R.O.
NONREPEATABILITY ±0.2% R.O.
TEMP. SHIFT ZERO ±0.01% of R.O. / °F [±0.02% of R.O. / °C]
TEMP. SHIFT SPAN ±0.01% of Load / °F [±0.02% of Load / °C]
OPERATING TEMP. 14 to 194°F [-10 to +90°C]
COMPENSATED TEMP. 41 to 122°F [+5 to +50°C]

ROTATIONAL SPEED 3000 RPM MAX
CONNECTOR: 6 pin Binder Series #581 (09-0323-99-06)
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE
CALIBRATION (STD) Certificate of Conformance
CALIBRATION (AVAILABLE) 5pt CW and CCW
SHUNT CAL VALUE (INTERNAL) 87K ohm
CALIBRATION TEST EXCITATION 10VDC
SHUNT CALIBRATION With sensor fully connected jump Pins 1 & 6 to generate 2 mV/V nom output.

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from FUTEK

10 THOMAS
IRVINE, CA 92618 USA
1-800-23-FUTEK (38835)

INTERNET:
<http://www.futek.com>