

# FUTEK MODEL TRH600

# NON CONTACT HEX DRIVE ROTARY TORQUE SENSOR

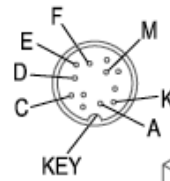
**CE COMPLIANT**

Drawing Number: FI1027-A

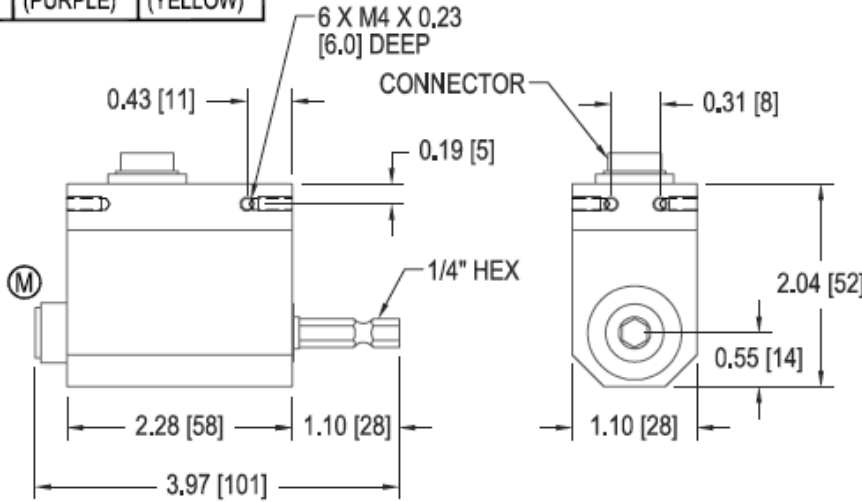
INCH [mm] R.O.= Rated Output

CONNECTOR CODE  
(CABLE PACKAGE WIRING CODE)

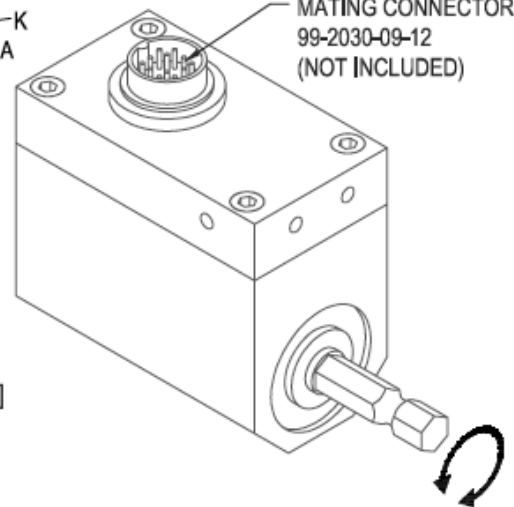
Power	Ground	Signal	Return (Signal)
PIN 'F' (RED)	PIN 'E' (BLACK)	PIN 'C' (GREEN)	PIN 'D' (WHITE)
Shield	Shunt Cal	Shunt Cal (Gnd)	
PIN 'M' (Floating)	PIN 'K' (PURPLE)	PIN 'A' (YELLOW)	



BINDER RECEPTACLE  
09-0331-90-12  
MATING CONNECTOR  
99-2030-09-12  
(NOT INCLUDED)



(M)=MEASURING SIDE



+OUTPUT  
(CW)

STOCK #	Capacity		MAX AXIAL FORCE		MAX RADIAL FORCE	
	in-lb	N m	lb	(N)	lb	(N)
FSH02002	4.5	0.5	4.5	20	1	5
FSH02003	9	1	11	50	2	10
FSH02004	18	2	11	50	4.5	20
FSH02005	53	6	34	150	9	40
FSH02006	106	12	34	150	9	40
FSH02007	159	18	45	200	9	40

## SPECIFICATIONS:

RATED OUTPUT	±5VDC
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±1% of R.O
EXCITATION	11-26 VDC
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 R.O. / °F [±0.02% of Load /°C]
OPERATING TEMP.	-13 to 176°F [-25 to +80°C]
ROTATIONAL SPEED	12000 RPM MAX
CONNECTOR:	12 pin Binder Series #581 (09-0331-90-12)
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE	
CALIBRATION (STD)	Certificate of Conformance
CALIBRATION (AVAILABLE)	5pt CW and CCW
CALIBRATION TEST EXCITATION	12 VDC
SHUNT CALIBRATION	With sensor fully connected apply 11-26 VDC to Pins A & K to generate 5VDC nom output.

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