

Model MRTP Miniature Overload Protected Torque Transducer

- Capacity 0.2 Nm
- 7x overload protection
- Proprietary Interface temperature compensated strain gages
- Small size - 41 x 33 mm (1.6 in OD x 1.25 in)
- Excellent linearity & repeatability
- Low deflection - high torsional stiffness



DIMENSIONS

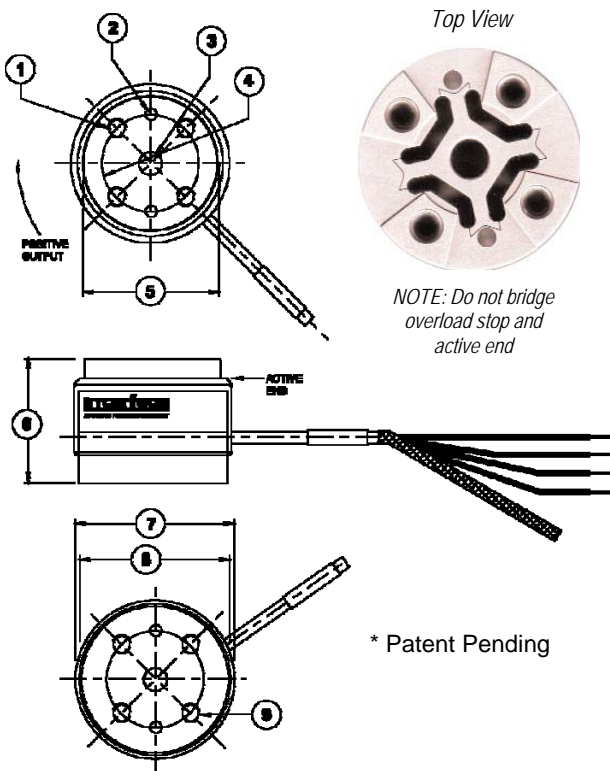
See Drawing	CAPACITY (Nm)
	inch (mm)
(1)	M5 x 0.8 – 6H x 0.20 Deep
(2)	.119 ±0.001 (3.02 ±0.03)
(3)	.237 thru (6.02)
(4)	.984 (24.99)
(5)	1.375 (34.95)
(6)	1.25 (31.8)
(7)	1.60 (40.6)
(8)	1.50 (38.1)
(9)	M5 x 0.8 – 6H x 0.20 Deep

SPECIFICATIONS

Standard Capacities (Nm)	0.2
Equivalent (in-lb)	1.77
ACCURACY – (MAX ERROR)	
Nonlinearity-% FS	±0.10
Hysteresis-% FS	±0.10
Nonrepeatability-% RO	±0.05
Creep, in 20 min-%	±0.10
TEMPERATURE	
Compensated Range-°F	15 to 115
Compensated Range-°C	-10 to 45
Operating Range-°F	-65 to 200
Operating Range-°C	-55 to 90
Effect on Zero-% RO/100F°	±0.20
Effect on Output-%/100F°	±0.10
ELECTRICAL	
Rated Output-mV/V (Nominal)	2.00 ±0.30
Zero Balance-% RO	±1.0
Input Resistance-Ohms	700 + 100/-7
Output Resistance-Ohms	700 ±7
Insulation Resistance-Megohm	>5000
Excitation, Nominal	10 VDC
Excitation, Maximum	20 VDC
MECHANICAL	
Overload:	
-safe torsion-% CAP	±700
-safe side load-N	13
-lbf	3
-safe overhung moment-% CAP	100
- safe mounting torque-Nm	0.3
-in-lb	2.7
Deflection at capacity-radian	0.007
Cable length-feet	5

STANDARD CONFIGURATIONS

5-ft integral cable MRTP – 0.2 Nm



OPTIONS

Extra cable length

ACCESSORIES

Instrumentation