

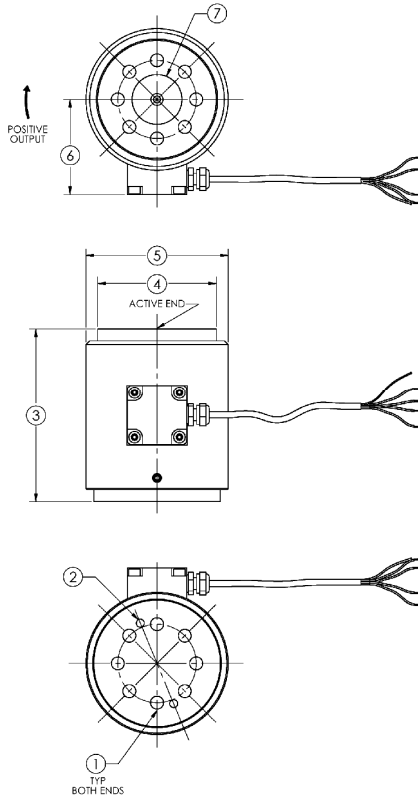
Model MRT2P Miniature Overload Protected Torque Transducer

- Capacities from 0.2 to 2 Nm (1.77 to 17.7 lbf-in)
- 3x overload protection
- Proprietary Interface temperature compensated strain gages
- Small size – 70 x 60 mm (2.75 x 2.25 in)
- Excellent linearity and repeatability
- Low deflection – high torsional stiffness



DIMENSIONS

See Drawing	CAPACITY (Nm)
	Inch (mm)
(1)	M5 x 0.8 – 6H x 0.32 Deep 8 PL EQ SP on 1.240 B.C.
(2)	.125 + .0005/- .0000 2 PL EQ SP on 1.375 B.C.
(3)	2.75
(4)	1.875
(5)	2.25
(6)	1.50
(7)	.7874 + .0008/- .0000



SPECIFICATIONS

Standard Capacities (Nm)	0.2 2	
Equivalent (in-lb)	1.77 17.7	
ACCURACY- (MAX ERROR)		
Nonlinearity-% FS	±0.10	
Hysteresis-% FS	±0.10	
Nonrepeatability-% RO	±0.05	
TEMPERATURE		
Effect on Zero- % /100°F	±0.20	
Effect on Output- %RO/100°F	±0.10	
Operating Range-°F	-65 to 200	
Compensated Range-°F	15 to 115	
ELECTRICAL		
Output-mV/V	2.00 ±0.30	
Excitation – VDC MAX	20	
Bridge Resistance – Ohms	700 ±7	
Electrical Connection	5' integral cable	
MECHANICAL		
Safe Torsion – % RO	300	300
Deflection at Capacity – rad	0.01	0.007
Overhung Moment – %CAP MAX	100	100
Shear – N MAX	13	110
Material	Aluminum	

* Patent Pending