

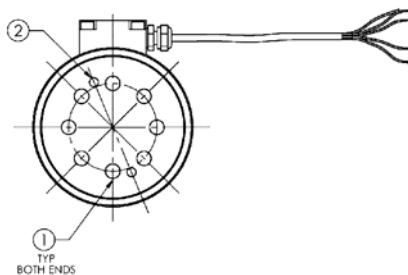
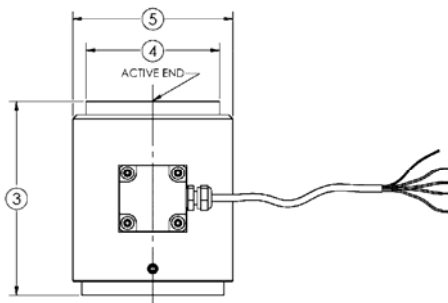
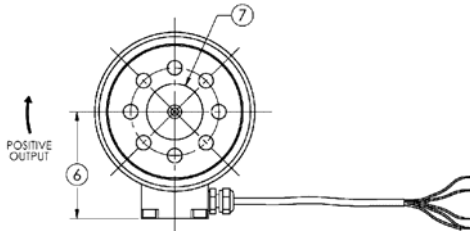
# Model MRT2 Miniature Reaction Torque Transducer

- Capacities from 10 to 50 Nm
- 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)	
	10, 20, 50	
	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)	10	20	50
Equivalent (in-lb)	88.5	177	443
<b>ACCURACY- (MAX ERROR)</b>			
Nonlinearity-% FS	±0.10		
Hysteresis-% FS	±0.10		
Nonrepeatability-% RO	±0.05		
<b>TEMPERATURE</b>			
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		
<b>ELECTRICAL</b>			
Output-mV/V	2.00 ±0.30		
Excitation – VDC MAX	20		
Bridge Resistance – Ohms	700 ±7		
Electrical Connection	5' integral cable		
<b>MECHANICAL</b>			
Safe Torsion – % RO	150	150	150
Deflection at Capacity – rad	0.003	0.003	0.002
Overhung Moment – %CAP MAX	100	100	100
Shear – N MAX	333	400	900
Material	Aluminum		