

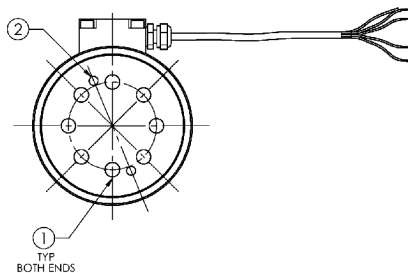
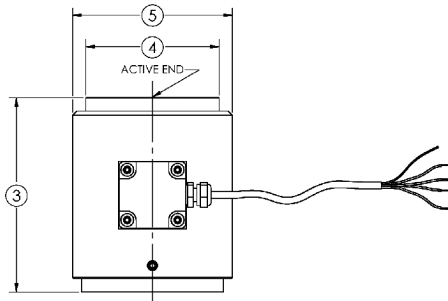
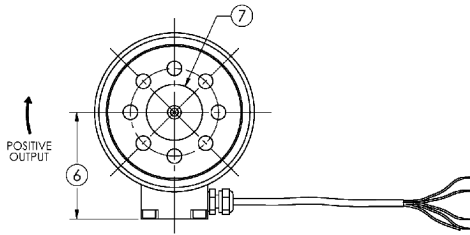
MRT2 Miniature Reaction Torque Transducer

- Capacities from 5 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)
	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)	5	10	20	50
Equivalent (in-lb)	44	88.5	177	443
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	150	150	150	150
Deflection at Capacity – rad	0.003	0.003	0.003	0.002
Overhung Moment – %CAP MAX	100	100	100	100
Shear – N MAX	225	333	400	900
Material	Aluminum			