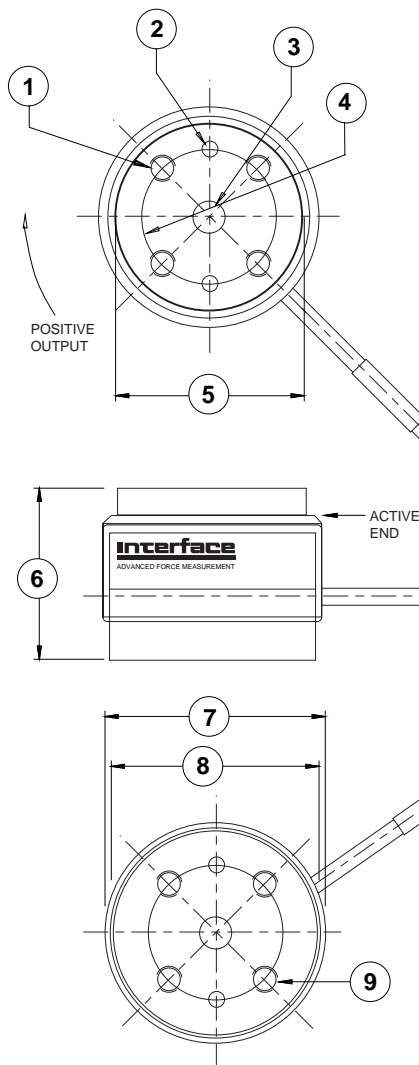


Model MRT Series Miniature Reaction Torque Transducers

Why INTERFACE MRT Series Miniature Reaction Torque Transducers are the best in class:

- Proprietary Interface temperature compensated strain gages
- Low capacity - As low as 1.77 in-lb (0.2Nm)
- Small size - 1.6 in. OD x 1.25 in.
- Excellent Linearity & Repeatability
- Low Deflection



DIMENSIONS

See Drawing	CAPACITY (Nm) 0.2, 2, 20 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, 2, 20
Equivalent (in-lb)1.77, 17.7, 177

ACCURACY - (MAX ERROR)

Nonlinearity-% FS± 0.10
Hysteresis-% FS±0.10
Nonrepeatability-% RO±0.05
Creep, in 20 min.-%±0.10

TEMPERATURE

Compensated Range-°F15 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-Ohms700 + 100/-7
Output Resistance-Ohms.....700 ± 7
Insulation Resistance-Megohm>5000
Excitation, nominal-VDC10
Excitation, maximum-VDC.....20

MECHANICAL

Overload:

-safe torsion-% cap±150
-ultimate torsion-% cap±400
-safe side load-N13, 110, 400
-lbf3, 25, 90
-safe overhang moment-% cap100
-safe mounting torque-Nm0.3, 3, 30
-in-lb2.7, 27, 270

Deflection at capacity-radian0.007, 0.003, 0.003
Cable length-feet5