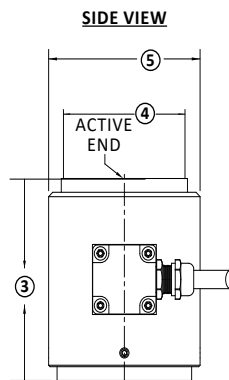
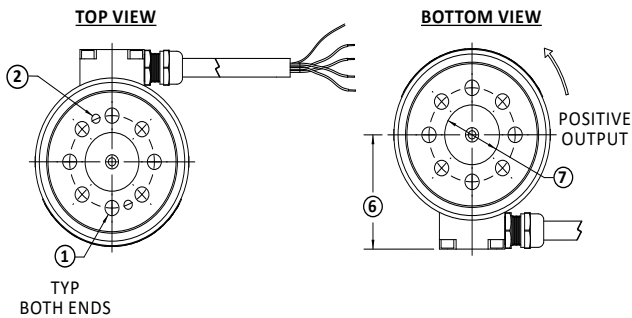


FEATURES & BENEFITS

- 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 & repeatability
- Low deflection - high torsional stiffness



DIMENSIONS

| See Drawing | CAPACITY | |
|-------------|--|--|
| | Metric (Nm) | US (lbf-in) |
| | 0.2, 2 | 1.77, 17.7 |
| | mm | in |
| (1) | ØM5x0.8 - 6H x \downarrow 8.1 8 PL EQ SP on 31.50 B.C. | ØM5x0.8 - 6H x \downarrow 0.32 8 PL EQ SP on 1.240 B.C. |
| (2) | Ø3.18 ^{+0.013/-0.000} 2 PL EQ SP on 34.93 B.C. | Ø0.125 ^{+0.0005/-0.0000} 2 PL EQ SP on 1.375 B.C. |
| (3) | 6.985 | 0.275 |
| (4) | 47.625 | 1.875 |
| (5) | 57.15 | 2.25 |
| (6) | 38.1 | 1.50 |
| (7) | Ø20.000 ^{+0.020/-0.000} | Ø0.7874 ^{+0.0008/-0.0000} |

STANDARD CONFIGURATION



MODEL MRT2P (Shown)

SPECIFICATIONS

| ACCURACY – (MAX ERROR) | | | |
|--|-------------|-------------|-----|
| Nonlinearity – %FS | ± 0.10 | | |
| Hysteresis – %FS | ± 0.10 | | |
| Non-repeatability – %RO | ± 0.05 | | |
| TEMPERATURE | | | |
| Compensated Range | °C | -9 to +46 | |
| | °F | +15 to +115 | |
| Operating Range | °C | -54 to +93 | |
| | °F | -65 to +200 | |
| Effect on Zero – % / 100F° | ±0.20 | | |
| Effect on Output – %RO / 100F° | ±0.10 | | |
| ELECTRICAL | | | |
| Output – mV/V | 2.00 ± 0.30 | | |
| Excitation – VDC MAX | 20 | | |
| Bridge Resistance – Ohms | 700 ± 7 | | |
| Electrical Connection – Integral Cable | m | 1.5 | |
| | ft | 5 | |
| MECHANICAL | | | |
| Safe torsion – %RO | 300 | 300 | |
| Deflection at Capacity – rad | 0.01 | 0.007 | |
| Overhung Moment – %CAP MAX | 100 | 100 | |
| Shear MAX | N | 13 | 110 |
| | lbf-in | 2.9 | 25 |
| Material | Aluminum | | |

*Patent Pending