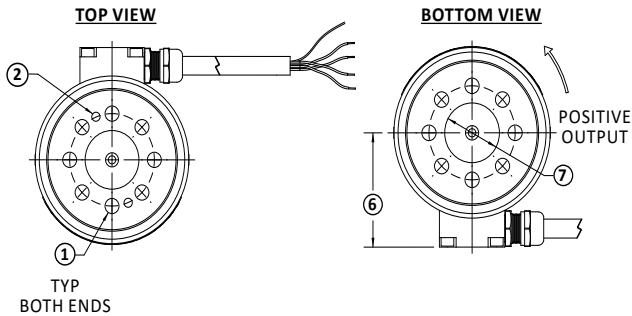


## FEATURES & BENEFITS

- 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



## 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

## 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 <sup>+0.013/-0.000</sup> 2 PL EQ SP on 34.93 B.C.	Ø0.125 <sup>+0.0005/-0.0000</sup> 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 <sup>+0.020/-0.000</sup>	Ø0.7874 <sup>+0.0008/-0.0000</sup>