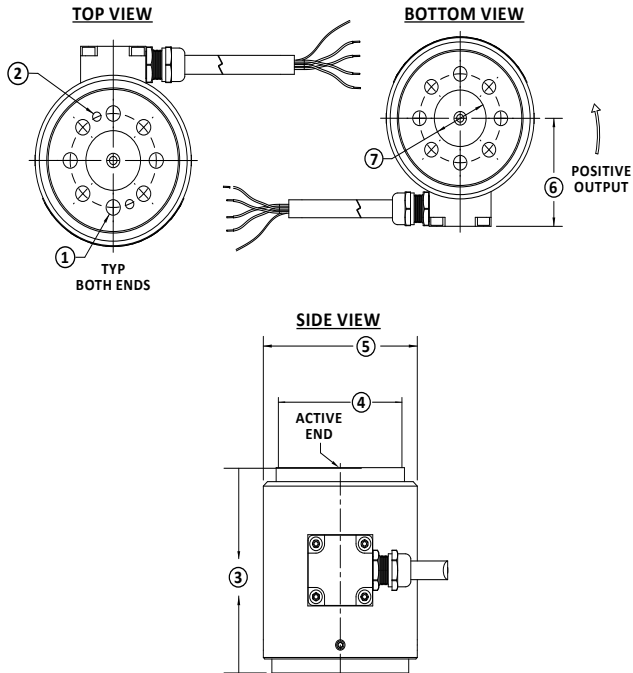


FEATURES & BENEFITS

- Capacities from 5 to 50 Nm (44 to 443 lbf-in)
- 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)
	5, 10, 20, 50	44.3, 88.5, 177, 443
	mm	in
(1)	M5x0.8 - 6H x $\downarrow$ 8.1 8 PL EQ SP on 31.50 B.C.	M5x0.8 - 6H x $\downarrow$ 0.32 8 PL EQ SP on 1.240 B.C.
(2)	$\varnothing 3.18^{+0.013/-0.000}$ 2 PL EQ SP on $\varnothing 34.93$ B.C.	$\varnothing 0.125^{+0.0005/-0.0000}$ 2 PL EQ SP on $\varnothing 1.375$ B.C.
(3)	69.85	2.75
(4)	47.625	1.875
(5)	57.15	2.25
(6)	38.1	1.50
(7)	$\varnothing 20.000^{+0.020/-0.000}$	$\varnothing 0.7874^{+0.0008/-0.0000}$

STANDARD CONFIGURATION



MODEL MRT2 MINIATURE REACTION (Shown)

SPECIFICATIONS

ACCURACY – (MAX ERROR)				
Nonlinearity – %FS		± 0.10		
Hysteresis – %FS		± 0.10		
Non-repeatability – %RO		± 0.05		
TEMPERATURE				
Effect on Zero – % / 100F°		±0.20		
Effect on Output – %RO / 100F°		±0.10		
Compensated Range	°C	-9 to +46		
	°F	+15 to +115		
Operating Range	°C	-54 to +93		
	°F	-65 to +200		
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		150	150	150
Deflection at Capacity – rad		0.003	0.003	0.003
Overhung Moment – %CAP MAX		100	100	100
Shear – MAX	N	225	333	400
	lbf	50.6	74.9	89.9
Material		Aluminum		