

5350 SOLID FLANGE REACTION TORQUE TRANSDUCER (U.S. & METRIC)

FEATURES & BENEFITS

- Capacities from 10 to 200 oz-in (0.07061552 to 1.4123104 Nm)
- Threaded mounting holes
- Compact size
- Optional ± 10 VDC output available on 100 ozf-in and above

SPECIFICATIONS

ACCURACY – (MAX ERROR)		
Nonlinearity – %FS		± 0.1
Hysteresis – %FS		± 0.1
Nonrepeatability – %RO		± 0.05
TEMPERATURE		
Compensated Range	$^{\circ}\text{F}$	+75 to +175
	$^{\circ}\text{C}$	+24 to +80
Operating Range	$^{\circ}\text{F}$	-65 to +225
	$^{\circ}\text{C}$	-54 to +107
Effect on Output – % /deg	$^{\circ}\text{F}$	± 0.002
Effect on Zero – %RO / deg	$^{\circ}\text{F}$	± 0.002
ELECTRICAL		
Rated Output – mV/V (Nominal)	10 ozf-in	2.0
	0.07 Nm	1.3
Bridge Resistance – Ohm (Nominal)		350
Excitation Voltage – VDC MAX		10
MECHANICAL		
Calibration		CW & CCW
Safe Overload – %CAP		200
Material		Aluminum

STANDARD CONFIGURATION

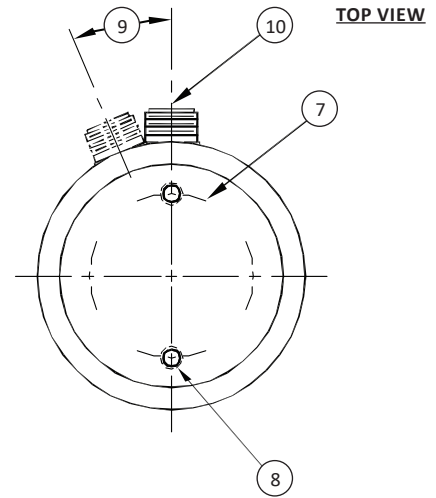
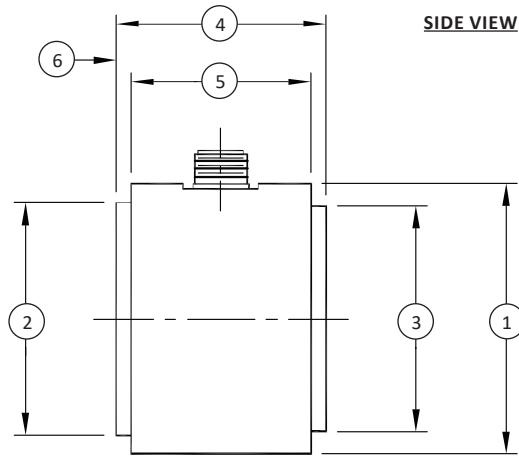


MODEL 5350 (Shown)

PERFORMANCE PARAMETERS

CAPACITY		TORQUE OVERLOAD		TORSIONAL STIFFNESS (FROM FLANGE FACE-TO-FACE)		WEIGHT		MAX THRUST LOAD		MAX BENDING MOMENT		MAX SHEAR LOAD	
oz-in	Nm	oz-in	Nm	oz-in/rad	Nm/rad	oz	kg	ozf	N	oz-in	Nm	ozf	N
10	0.07061552	20	0.14123104	650	4.5900088	0.5	0.2	40	1.1120554038	10	0.07061552	10	2.7801385095
20	0.14123104	40	0.28246208	1.8K	12.7107936			80	22.241108076	20	0.14123104	20	5.5602770191
50	0.3530776	100	0.7061552	7.4K	52.2554848			200	55.602770191	50	0.3530776	50	13.900692548
100	0.7061552	200	1.4123104	13.4K	94.6247968	1.2	0.5	100	27.801385095	50	0.3530776	50	13.900692548
200	1.4123104	400	2.8246208	37.5K	264.8082			200	55.602770191	100	0.7061552	100	27.801385095

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DIMENSIONS

See Drawing	CAPACITY	
	U.S. (oz-in)	Metric (Nm)
	10, 20, 50, 100, 200	0.07061552, 0.14123104, 0.3530776, 0.7061552, 1.4123104
	in	mm
(1)	Ø1.50	Ø38.1
(2)	Ø1.00	Ø25.4
(3)	Ø0.875	Ø22.225
(4)	1.50	38.1
(5)	1.375	34.925
(6)	0.0625	1.5875
(7)	Ø0.563	Ø14.3002
(8)	#4-40 UNC-2B 2 places	
(9)	0°	
(10)	Conxall 7282-6PG-300	