

TS16 SQUARE FLANGE STYLE REACTION TORQUE TRANSDUCER (U.S. & METRIC)

FEATURES & BENEFITS

- Capacities from 2 to 2K Nm (17.7 to 17.7K lbf-in)
- Convenient flange mounting
- Accepts standard sockets

OPTIONS

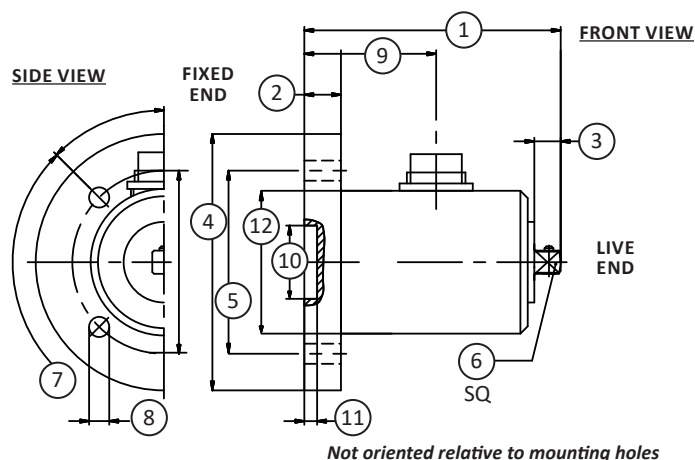
- 100% Control Signal (RCAL)
- Combined Error 0.1% FS

SPECIFICATIONS

ACCURACY – (MAX ERROR)		
Combined Error – %FS		±0.2
Nonrepeatability – %		±0.02
TEMPERATURE		
Effect on Zero – %RO / deg	°C	±0.02
Effect on Output – % / deg	°C	±0.01
Rated rRange	°C	-5 to +45
	°F	+23 to +113
Operating Range	°C	-15 to +55
	°F	+5 to +131
ELECTRICAL		
Output – mV/V		1
Excitation Voltage – VDC MAX		12
Bridge Resistance – Ohm		350
Electrical Connection		6-pin binder
MECHANICAL		
Safe Overload – %RO		150
Angular Deflection @ Rated Torque		< 0.2
Material		Alloy steel



MODEL TS16 (Shown)



Not oriented relative to mounting holes

DIMENSIONS

See Drawing	CAPACITY											
	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)
	2, 5, 12	17.7, 44.3, 106	25, 63	221, 1K	160	1.41K	500	4.43K	1K	8.85K	2K	17.7K
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
1	70.0	2.76	70.0	2.76	90.0	3.54	120.0	4.72	140.0	5.51	180.0	7.09
2	10.0	0.39	10.0	0.39	12.0	0.47	15.0	0.59	15.0	0.59	20.0	0.79
3	7.2	0.28	10.4	0.41	15.1	0.59	22.6	0.89	27.4	1.08	39.3	1.55
4	70.0	2.76	70.0	2.76	80.0	3.15	100.0	3.94	120.0	4.72	145.0	5.71
5	50.0	1.97	50.0	1.97	60.0	2.36	80.0	3.15	100.0	3.94	120.0	4.72
6	¼		¾		½		¾		1		1 ½	
7	4x90°		4x90°		4x90°		6x60°		8x45°		8x45°	
8	Ø5.5	Ø0.22	Ø5.5	Ø0.22	Ø6.6	Ø0.26	Ø9.0	Ø0.35	Ø11.0	Ø0.43	Ø13.0	Ø0.51
9	36.0	1.42	36.0	1.42	41.0	1.61	60.0	2.36	70.0	2.76	82.0	3.23
10	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197
11	4.0	0.16	4.0	0.16	4.0	0.16	4.0	0.16	4.0	0.16	4.0	0.16
12	Ø39.0	Ø1.54	Ø40.0	Ø1.57	Ø45.0	Ø1.77	Ø49.0	Ø1.93	Ø59.0	Ø2.32	Ø70.0	Ø2.76

U.S. dimensions and capacities are provided for conversion only. Standard products have International System of Units (SI) capacities and dimensions.