

The World's Largest Range of Rotary Torque Sensors!

Dynamic Torque Measurement from 0.25 to 25,000 Nm!

- High accuracy, rugged durability, & outstanding performance
- Ideal for power tool testing applications, threaded fastener testing, and bolted joint analysis
- Measure torque-only, or torque & angle
- Compatible for use with electric, pneumatic, or impulse tools
- On-Board ID microchip for use with RS Technologies Model 920 and Model 960 Instruments
- Compatible with industry standard instruments or data collectors with low-level analog inputs



CAPACITIES/DRIVE SIZES

Capacity	Drive	Angle Encoder
0.23 Nm (32 oz-in)	¼-inch Hex	360 Poles/1440 CPR
2.3 Nm (20 lb-in)	¼-inch Hex	360 Poles/1440 CPR
5.6 Nm (50 lb-in)*	¼-inch Hex	NA
11.3 Nm (100 lb-in)	¼-inch Hex, ¼-inch Sq.	360 Poles/1440 CPR
15 Nm (132 lb-in)	¼-inch Hex, ¼-inch Sq.	360 Poles/1440 CPR
22.7 Nm (200 lb-in)	3/8-inch Sq.	360 Poles/1440 CPR
68 Nm (50 lb-ft)	3/8-inch Sq.	360 Poles/1440 CPR
136 Nm (100 lb-ft)	½-inch Sq.	360 Poles/1440 CPR
200 Nm (148 lb-ft)	½-inch Sq.	360 Poles/1440 CPR
407 Nm (300 lb-ft)	¾-inch Sq.	540 Poles/2160 CPR
500 Nm (368 lb-ft)	¾-inch Sq.	540 Poles/2160 CPR
814 Nm (600 lb-ft)	¾-inch Sq.	540 Poles/2160 CPR
1356 Nm (1000 lb-ft)	1-inch Sq.	720 Poles/2880 CPR
4068 Nm (3000 lb-ft)	1-inch Sq.	720 Poles/2880 CPR
10,000 Nm (7376 lb-ft)	1 ½-inch Sq.	720 Poles/2880 CPR
25,000 Nm (18,000 lb-ft)	2 ½-inch Sq.	900 Poles/3600 CPR

*Torque only

STANDARD SPECIFICATIONS

TORQUE

Output at Rated Capacity 2.0 mV/V, nominal
 Shunt Calibration Equivalent to full-scale output, nom.
 Nonlinearity ±0.25 % of full scale
 Hysteresis ±0.25 % of full scale
 Overload Capacity 50% of rated load
 Recommended Excitation Voltage 10 vdc or ac rms
 Bridge Resistance 350 Ohms, full bridge, bonded strain gage
 Compensated Temperature Range 70 to 150 °F
 Useable Temperature Range 0 to 200 °F
 Temperature Effect on Output ±0.002% of reading per °F
 Temperature Effect on Zero ±0.002% of full scale per °F

ANGLE

Resolution (deg.) 360 Poles: ¼; 540: 1/6; 720: 1/8, 900: 1/10
 Output A-B Track 90 degrees phase difference, flat over operating speed range
 Output Voltage High 5V, Low 0.5V
 Power Required 5 VDC @120 mA max.

MISC

Receptacle Bendix PT02A-12-10P
 Mating Connector Bendix PT06A-12-10S(SR)

Additional information on the 9000 Series Rotary Torque Sensors and related instrumentation is available from:

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