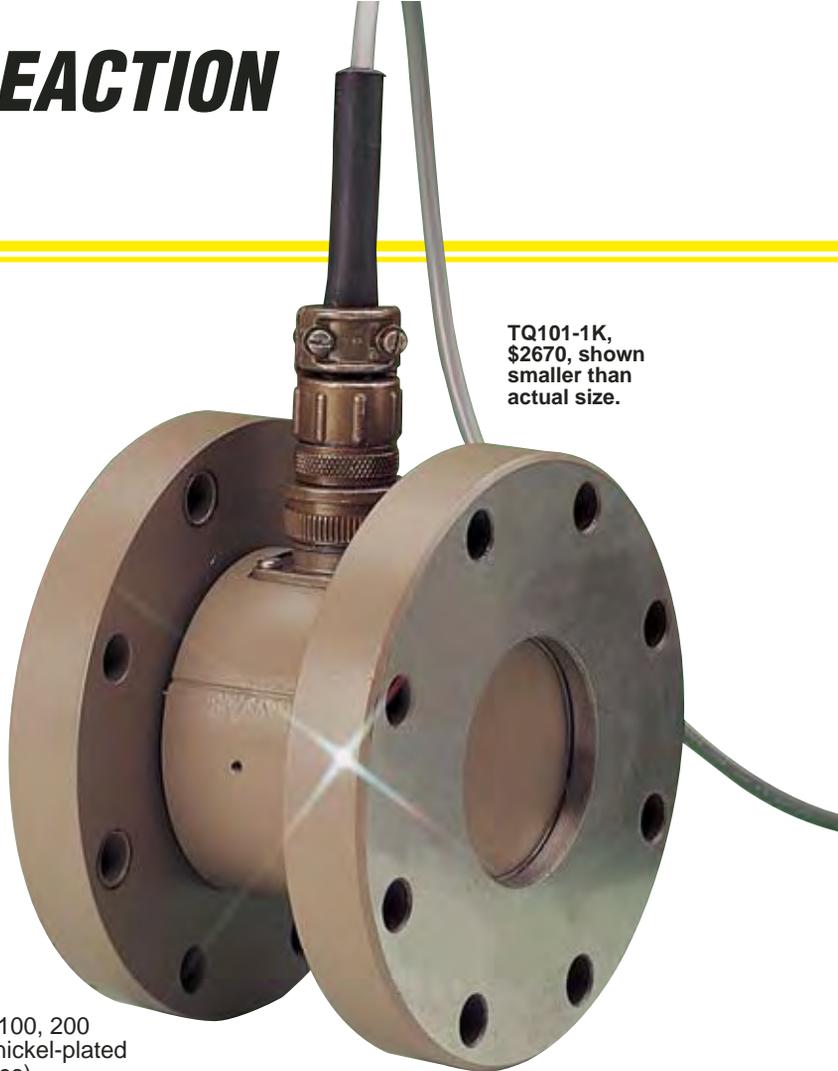


FLANGE-MOUNTED REACTION TORQUE SENSORS

0-10 in-lb TO 0-100,000 in-lb

TQ101 Series
10 in-lb to 100K in-lb

Starts at
\$2100



TQ101-1K,
\$2670, shown
smaller than
actual size.

- ✓ Ideal for Monitoring Torque in Motor Pump and Machine Mounts
- ✓ Flange Mounted for Easy Installation
- ✓ Measures Torque in Clockwise and Counterclockwise Directions

TQ101 Series reaction torque sensors are ideal for measuring reaction or restraining torques found in motor mounts, pump mounts, and machine mounts. They can also be used in limited rotation applications, such as measuring the torque required to turn a nut or an actuator shaft. The TQ101 is designed with flanges, enabling easy installation or adaptation. It is rugged enough for factory use, yet accurate enough for the laboratory.

SPECIFICATIONS

Rated Output: 2 mV/V nominal
Excitation: 10 Vdc, 20 Vdc max
Accuracy: ±0.18% FS
Linearity: ±0.10% FS
Hysteresis: ±0.10% FS
Repeatability: ±0.10% FS
Zero Balance: ±1.0% FS
Operating Temp Range:
 -53 to 120°C (-65 to 250°F)
Compensated Temp Range:
 0 to 76°C (32 to 170°F)

Thermal Effects:
Zero: ±0.002% FS/°F
Span: ±0.002% rdg/°F

Max Load:
Safe: 150% FS
Ultimate: 300% FS

Bridge Resistance: 350 Ω nominal
Full Scale Angular Deflection: 1.2°
Construction: Nickel-plated steel

Sensing Element:
 Aluminum (up to 500 in-lb), nickel-plated steel (above 500 in-lb)

Cover: Aluminum (100, 200 and 500 in-lb) and nickel-plated steel (all other ranges)

Electrical: Mating connector supplied

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)				
RANGE	MODEL	PRICE	WT (lb)	COMPATIBLE METERS*
0 to 10 in-lb	TQ101-10	\$2100	3	DP41-S, DP302-S, DP2000-S4
0 to 20 in-lb	TQ101-20	2100	3	DP41-S, DP302-S, DP2000-S5
0 to 50 in-lb	TQ101-50	2100	3	DP41-S, DP3002-S, DP87
0 to 100 in-lb	TQ101-100	2100	5	DP41-S, DP302-S, DP2000-S4
0 to 200 in-lb	TQ101-200	2100	5	DP41-S, DP302-S, DP2000-S5
0 to 500 in-lb	TQ101-500	2100	5	DP41-S, DP3002-S, DP87
0 to 1000 in-lb	TQ101-1K	2670	8	DP41-S, DP302-S, DP2000-S4
0 to 2000 in-lb	TQ101-2K	2670	8	DP41-S, DP302-S, DP2000-S5
0 to 5000 in-lb	TQ101-5K	2500	10	DP41-S, DP3002-S, DP87
0 to 10,000 in-lb	TQ101-10K	2500	10	DP41-S, DP3002-S, DP87
0 to 15,000 in-lb	TQ101-15K	3575	20	DP41-S, DP3002-S, DP87
0 to 20,000 in-lb	TQ101-20K	3575	20	DP41-S, DP3002-S, DP87
0 to 50,000 in-lb	TQ101-50K	3575	20	DP41-S, DP87, DP-760
0 to 100,000 in-lb	TQ101-100K	5275	30	DP41-S, DP87, DP-760

Comes with 5-point calibration.
 Comes with complete operator's manual.

* See section D for compatible meters.

Ordering Example: TQ101-100, flange-mounted reaction torque sensor with 0 to 100 in-lb range, \$2100.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
EE-2560	\$125	Reference Book: Analog Signal Processing



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

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• Pressure, Strain and Force

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters