

REACTION TORQUE SENSORS

FLANGE-TO-SHAFT MOUNT LOW TORQUE RANGE

STANDARD AND METRIC MODELS

TQ202/TQM202 Series

Reaction Torque
0-25 oz-in to 0-250 in-lb
0-0.18 N-m to 0-30 N-m

Starts at
\$795



Standard

- ✓ All Stainless Steel Case for Long-Term Reliability in Industrial Environments
- ✓ High Accuracy
- ✓ Shielded Cable for Precise Low-Noise Measurements
- ✓ Heavy-Duty Mounting for Positive, Non-Slip Connection

OMEGA's TQ202/TQM202 Series torque sensors are small, high-accuracy flange- or surface-mount devices designed for measuring reaction torque forces up to 250 in-lb. The shaft attachment has 3 equally spaced flat surfaces to ensure non-slip mounting without the use of a key. The all stainless steel construction ensures long life in industrial environments, as well as long-term accuracy.

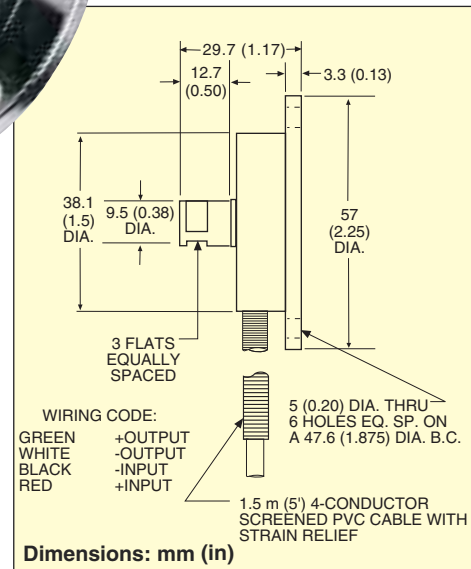


TQ202-100Z, \$795, shown actual size.

See Section Y for a Selection of Scientific, Technical, and Reference Books Available from omega.com

SPECIFICATIONS

- Output:** 2 mV/V
Excitation: 10 Vdc, 15V max
Input Resistance: 360 Ω min
Output Resistance: 350 ±5 Ω
Accuracy: ±0.2% FSO (combined linearity, hysteresis and repeatability)
Zero Balance: ±2% FSO
Compensated Temp Range: 16 to 71°C (60 to 160°F)
Operating Temp Range: -54 to 107°C (-65 to 225°F)
Thermal Effects:
Zero: 0.005% FSO/°F
Span: 0.005% rdg/°F



- Safe Overload:** 150% of capacity
Ultimate Overload: 300% of capacity
Construction: Stainless steel
Electrical: 1.5 m (5') 4-conductor shielded PVC cable with strain relief
Protection Class: IP65

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

STANDARD RANGE	STANDARD MODEL NO.	METRIC RANGE	METRIC MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 25 oz-in	TQ202-25Z	0 to 0.175 N-m	TQM202-0.175	\$895	DP41-S, DP25B-S
0 to 30 oz-in	TQ202-30Z	0 to 0.20 N-m	TQM202-0.2	895	DP41-S, DP25B-S
0 to 100 oz-in	TQ202-100Z	0 to 0.70 N-m	TQM202-0.7	795	DP41-S, DP25B-S
0 to 120 oz-in	TQ202-120Z	0 to 0.85 N-m	TQM202-0.85	795	DP41-S, DP25B-S
0 to 150 oz-in	TQ202-150Z	0 to 1.0 N-m	TQM202-1	795	DP41-S, DP25B-S
0 to 200 oz-in	TQ202-200Z	0 to 1.4 N-m	TQM202-1.4	795	DP41-S, DP25B-S
0 to 25 in-lb	TQ202-25	0 to 2.8 N-m	TQM202-2.8	795	DP41-S, DP25B-S
0 to 50 in-lb	TQ202-50	0 to 5.6 N-m	TQM202-5.6	795	DP41-S, DP25B-S
0 to 100 in-lb	TQ202-100	0 to 11 N-m	TQM202-11	795	DP41-S, DP25B-S
0 to 250 in-lb	TQ202-250	0 to 28 N-m	TQM202-28	795	DP41-S, DP25B-S

Comes complete with 5-point calibration.

* See section D for compatible meters.

Ordering Examples: TQ202-25Z, 25 oz-in range reaction torque sensor, \$895.

TQ202-100, 100 in-lb range reaction torque sensor, \$795.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
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1-800-TC-OMEGA

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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

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• 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