

# REACTION TORQUE SENSORS

## FLANGE-TO-SHAFT MOUNT

### LOW TORQUE RANGE

**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  
**£535**



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

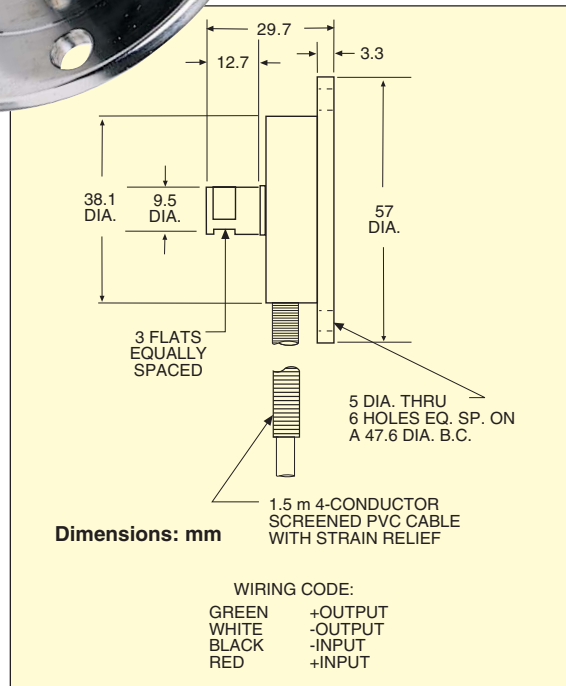
OMEGA's TQM202 Series torque sensors are small, high-accuracy flange- or surface-mount devices designed for measuring reaction torque forces up to 28 N-m. The shaft attachment has 3 equally spaced flat surfaces to ensure non-slip mounting without the use of a key. The all stainless steel construction ensures long life in industrial environments, as well as long-term accuracy.

#### SPECIFICATIONS

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



TQM202-100Z, £535, shown actual size.



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

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)					
RANGE	MODEL NO.	METRIC RANGE	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 25 oz-in	TQM202-25Z	0 to 0.175 N-m	TQM202-0.175	£600	DP41-B, DP25B-S
0 to 30 oz-in	TQM202-30Z	0 to 0.20 N-m	TQM202-0.2	600	DP41-B, DP25B-S
0 to 100 oz-in	TQM202-100Z	0 to 0.70 N-m	TQM202-0.7	535	DP41-B, DP25B-S
0 to 120 oz-in	TQM202-120Z	0 to 0.85 N-m	TQM202-0.85	535	DP41-B, DP25B-S
0 to 150 oz-in	TQM202-150Z	0 to 1.0 N-m	TQM202-1	535	DP41-B, DP25B-S
0 to 200 oz-in	TQM202-200Z	0 to 1.4 N-m	TQM202-1.4	535	DP41-B, DP25B-S
0 to 25 in-lb	TQM202-25	0 to 2.8 N-m	TQM202-2.8	535	DP41-B, DP25B-S
0 to 50 in-lb	TQM202-50	0 to 5.6 N-m	TQM202-5.6	535	DP41-B, DP25B-S
0 to 100 in-lb	TQM202-100	0 to 11 N-m	TQM202-11	535	DP41-B, DP25B-S
0 to 250 in-lb	TQM202-250	0 to 28 N-m	TQM202-28	535	DP41-B, DP25B-S

Comes with 5-point calibration.

\* See page 291 for compatible meters.

**Ordering Examples:** TQM202-25Z, 25 oz-in range reaction torque sensor, £600.  
 TQM202-100, 100 in-lb range reaction torque sensor, £535.

#### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1804	£84	Reference Book: Mechanical Design Handbook

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