REACTION TORQUE SENSORS
FLANGE-TO-SHAFT MOUNT LOW TORQUE RANGE
STANDARD AND METRIC MODELS

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

TQ202/TQM202 Series

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 inch-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.

SPECIFICATIONS
Output: 2 mV/V
Excitation: 10 Vdc, 15V maximum
Input Resistance: 360 Ω minimum
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

To Order

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<th>STANDARD RANGE</th>
<th>STANDARD MODEL NO.</th>
<th>METRIC RANGE</th>
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<td>0 to 25 oz-inch</td>
<td>TQ202-25Z</td>
<td>0 to 0.175 N-m</td>
<td>TQM202-0.175</td>
<td>DP41-S, DP25B-S</td>
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<td>0 to 30 oz-inch</td>
<td>TQ202-30Z</td>
<td>0 to 0.20 N-m</td>
<td>TQM202-0.2</td>
<td>DP41-S, DP25B-S</td>
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<td>0 to 100 oz-inch</td>
<td>TQ202-100Z</td>
<td>0 to 0.70 N-m</td>
<td>TQM202-0.7</td>
<td>DP41-S, DP25B-S</td>
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<td>0 to 120 oz-inch</td>
<td>TQ202-120Z</td>
<td>0 to 0.85 N-m</td>
<td>TQM202-0.85</td>
<td>DP41-S, DP25B-S</td>
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<td>0 to 150 oz-inch</td>
<td>TQ202-150Z</td>
<td>0 to 1.0 N-m</td>
<td>TQM202-1</td>
<td>DP41-S, DP25B-S</td>
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<td>0 to 200 oz-inch</td>
<td>TQ202-200Z</td>
<td>0 to 1.4 N-m</td>
<td>TQM202-1.4</td>
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<td>0 to 25 inch-lb</td>
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<td>0 to 2.8 N-m</td>
<td>TQM202-2.8</td>
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<td>0 to 50 inch-lb</td>
<td>TQ202-50</td>
<td>0 to 5.6 N-m</td>
<td>TQM202-5.6</td>
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<td>0 to 100 inch-lb</td>
<td>TQ202-100</td>
<td>0 to 11 N-m</td>
<td>TQM202-11</td>
<td>DP41-S, DP25B-S</td>
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<tr>
<td>0 to 250 inch-lb</td>
<td>TQ202-250</td>
<td>0 to 28 N-m</td>
<td>TQM202-28</td>
<td>DP41-S, DP25B-S</td>
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Comes complete with 5-point calibration.
* Visit us online for compatible meters.
TQ202-100, 100 in-lb range reaction torque sensor.