**REACTI ON TORQUE CELLS**

**SHAFT MOUNT LOW TORQUE RANGE**

**STANDARD AND METRIC MODELS**

Reaction Torque
0-25 oz-inch to 0-1000 inch-lb
0-0.18 N-m to 0-110 N-m

**TQ201/TQM201 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 TQ201/TQM201 Series comprises in-line mount reaction torque sensors. They are designed to be mounted to the torque-producing element for measuring the starting torque of motors.

**SPECIFICATIONS**

- Output: 2 mV/V
- Excitation: 10 Vdc, 15V maximum
- Input Resistance: 350 Ω minimum
- Output Resistance: 350 Ω minimum
- Accuracy Class: ±0.2% FSO
- Linearity: ±0.15% FSO
- Hysteresis: ±0.10% FSO
- Repeatability: ±0.03% FSO
- Zero Balance: ±2% FSO
- Operating Temp Range: -54 to 107°C (-65 to 225°F)
- Compensated Temp Range: 16 to 71°C (60 to 160°F)
- Thermal Effects:
  - Zero: ±0.05% FSO/°F
  - Span: ±0.05% rdg/°F
- Safe Overload: 150% of capacity
- Ultimate Overload: 300% of capacity
- Construction: Stainless steel
- Protection Class: IP65
- Electrical: 1.5 m (5’) 4-conductor shielded PVC cable with strain relief

**To Order**

<table>
<thead>
<tr>
<th>STANDARD RANGE</th>
<th>STANDARD MODEL NO.</th>
<th>METRIC RANGE</th>
<th>METRIC MODEL NO.</th>
<th>COMPATIBLE METERS*</th>
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</thead>
<tbody>
<tr>
<td>0 to 25 oz-in</td>
<td>TQ201-25Z</td>
<td>0 to 0.175 N-m</td>
<td>TQ2M201-0.175</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 30 oz-in</td>
<td>TQ201-30Z</td>
<td>0 to 0.20 N-m</td>
<td>TQ2M201-0.2</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 100 oz-in</td>
<td>TQ201-100Z</td>
<td>0 to 0.70 N-m</td>
<td>TQ2M201-0.7</td>
<td>DP41-S, DP25B-S</td>
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<tr>
<td>0 to 120 oz-in</td>
<td>TQ201-120Z</td>
<td>0 to 0.85 N-m</td>
<td>TQ2M201-0.85</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 150 oz-in</td>
<td>TQ201-150Z</td>
<td>0 to 1.0 N-m</td>
<td>TQ2M201-1.0</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 200 oz-in</td>
<td>TQ201-200Z</td>
<td>0 to 1.4 N-m</td>
<td>TQ2M201-1.4</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 25 in-lb</td>
<td>TQ201-25</td>
<td>0 to 2.8 N-m</td>
<td>TQ2M201-2.8</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 50 in-lb</td>
<td>TQ201-50</td>
<td>0 to 5.6 N-m</td>
<td>TQ2M201-5.6</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 100 in-lb</td>
<td>TQ201-100</td>
<td>0 to 11 N-m</td>
<td>TQ2M201-11</td>
<td>DP41-S, DP25B-S</td>
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<tr>
<td>0 to 250 in-lb</td>
<td>TQ201-250</td>
<td>0 to 28 N-m</td>
<td>TQ2M201-28</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 500 in-lb</td>
<td>TQ201-500</td>
<td>0 to 56.5 N-m</td>
<td>TQ2M201-56.5</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 1000 in-lb</td>
<td>TQ201-1K</td>
<td>0 to 113 N-m</td>
<td>TQ2M201-113</td>
<td>DP41-S, DP25B-S</td>
</tr>
</tbody>
</table>

Comes complete with 5-point calibration.

* Visit us online for compatible meters.

Ordering Examples: TQ201-30Z, 30 oz-in range reaction torque sensor.
TQ201-250, 250 in-lb range reaction torque sensor.