**REACTION TORQUE CELLS**

**FLANGE-TO-FLANGE MOUNT**

**STANDARD AND METRIC MODELS**

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**Reaction Torque**

400 in-lb to 2000 in-lb

45 N·m to 225 N·m

1 N·m = 0.7375 ft·lb

1 ft·lb = 1.356 N·m

1 N·m = 8.85 in-lb

1 ft·lb = 12 in-lb

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**All Stainless Steel Case**

for Long-Term Reliability in Industrial Environments

**High Accuracy**

**Heavy-Duty Mounting**

for Positive, Non-Slip Connection

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**SPECIFICATIONS**

Output: 2 mV/V

Excitation: 10 Vdc, 15V maximum

Input Resistance: 360 Ω minimum

Output Resistance: 350 ±5 Ω

Accuracy Class: ±0.2% FSO

Linearity, Hysteresis and Repeatability: ±0.2% FSO combined

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:

TQ301: 1.2 m (4") 4-conductor, shielded, color-coded PVC cable

TQ302: PTIH-10-6P connection; PT06F10-6S mating connector sold separately

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**To Order**

<table>
<thead>
<tr>
<th>RANGE</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STANDARD MODELS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0 to 400 in-lb</td>
<td>TQ301-400</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 2000 in-lb</td>
<td>TQ302-2K</td>
<td>DP41-S, DP25B-S</td>
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<tr>
<td><strong>METRIC MODEL</strong></td>
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<td></td>
</tr>
<tr>
<td>0 to 45 N·m</td>
<td>TQM301-45N</td>
<td>DP41-S, DP25B-S</td>
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**ACCESSORY**

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>PT06F10-6S</td>
<td>Mating connector for TQ302-2K torque cell</td>
</tr>
</tbody>
</table>

Comes complete with 5-point calibration.

*Visit us online for compatible meters.

**Ordering Example:** TQ301-400, 400 in-lb range reaction torque sensor.