REACTION TORQUE CELLS
SHAFT KEY MOUNT

Reaction Torque
0-600 in-lb to 0-12,000 in-lb
0-68 N-m to 0-1350 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

TQ402 Series

- All Stainless Steel Case for Long-Term Reliability in Industrial Environments
- High Accuracy
- Heavy-Duty Mounting for Positive, Non-Slip Connection

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: ±0.2% FSO
Hysteresis: ±0.1% FSO
Repeatability: ±0.05% 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: ±0.005% FSOF/°F
  - Span: ±0.005% rdg/°F
Safe Overload: 150% of capacity
Ultimate Overload: 300% of capacity
Protection Class: IP67
Electrical: MS3102A-14S-6P (or equiv.)
Mating Connector: MS3106E-14S-6S, (sold separately)

To Order

<table>
<thead>
<tr>
<th>RANGE (in-lb)</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 600</td>
<td>TQ402-600</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 1200</td>
<td>TQ402-1.2K</td>
<td>DP41-S, DP25B-S</td>
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<tr>
<td>0 to 2000</td>
<td>TQ402-2K</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 3000</td>
<td>TQ402-3K</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 6000</td>
<td>TQ402-6K</td>
<td>DP41-S, DP25B-S</td>
</tr>
<tr>
<td>0 to 12,000</td>
<td>TQ402-12K</td>
<td>DP41-S, DP25B-S</td>
</tr>
</tbody>
</table>

Comes complete with 5-point calibration.
* Visit us online for compatible meters. Metric ranges available – consult Engineering.
Ordering Examples: TQ402-600, 600 in-lb range reaction torque sensor with MS3106E-14S-6S, mating connector.
TQ402-1.2K, 1200 in-lb range reaction torque sensor.

ACCESSORY

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS3106E-14S-6S</td>
<td>Mating connector for TQ402 series torque cells</td>
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