ROTARY SOCKET TORQUE SENSOR

These strain gage based sensors are designed to accurately measure torque in rotating applications such as in bolt fastening systems. Other typical uses include checking calibration in both mechanical torque wrenches and air powered nut runners. The design incorporates a coin silver slip ring assembly. This transmits excitation voltage to, and output signals from, the rotating square drive sensor. These sensors come standard with Auto-ID, which eliminates scaling when used with the PMAC 2000 instrument. An angle encoder and round or square housings are available with this model. Square housings have optional foot mounts.

SPECIFICATIONS

- Capacity: 50 in.lb to 2,400 in.lb (See chart)
- Overload capacity: 150% of F.S.
- Output at F.S.: See chart
- Non-linearity: 0.10% of F.S.
- Hysteresis: 0.10% of F.S.
- Zero balance: 1.00% of F.S.
- Compensated temperature: 70 to 170°F
- Usable temperature: -40 to +185°F
- Temperature effect on zero: 0.002% of F.S./°F
- Temperature effect on span: 0.002% of Rdg./°F
- Bridge resistance: 1000 Ohms
- Excitation voltage, maximum: 20 Vdc
- Maximum shaft speed: 5,000 RPM

Material:
- Shaft: Alloy Steel
- Housing: Aluminum

Square driving & spindle ends adhere to ANSI B107.4-1982

OPTIONS

- 4 pin Bendix connector (non-Auto-ID)
- 10 pin Bendix connector (Auto-ID)
- Integral angle encoder - 1024 ppr or 60 tooth mag pick-up (10 pin connector required)
- Footmount
- Pulse tool brushes

*For higher rotational speeds, larger capacities and drive sizes, please contact factory.

DIMENSIONS (INCHES)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CAPACITY</th>
<th>DRIVE</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
<th>OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FT LB</td>
<td>IN LB</td>
<td>MM</td>
<td>SQUARE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>01325-001</td>
<td>4</td>
<td>50</td>
<td>6</td>
<td>1/4</td>
<td>3.75</td>
<td>0.38</td>
</tr>
<tr>
<td>01325-121</td>
<td>10</td>
<td>125</td>
<td>14</td>
<td>1/4</td>
<td>3.75</td>
<td>0.38</td>
</tr>
<tr>
<td>01325-222</td>
<td>16</td>
<td>200</td>
<td>23</td>
<td>3/8</td>
<td>3.97</td>
<td>0.48</td>
</tr>
<tr>
<td>01325-062</td>
<td>50</td>
<td>600</td>
<td>68</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01325-152</td>
<td>125</td>
<td>1500</td>
<td>170</td>
<td>1/2</td>
<td>4.25</td>
<td>.58</td>
</tr>
<tr>
<td>01325-242</td>
<td>200</td>
<td>2400</td>
<td>271</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.