01325 (hex)  
Rotating Torque Sensors

An angle encoder and round or square housings are available with this model. Square housings have optional foot mounts. These strain gage based sensors are designed to measure torque in low capacity applications such as checking calibration in mechanical torque wrenches and air powered nut runners. The design incorporates a coin silver slip ring assembly that transmits excitation voltage to, and output signals from, the rotating drive sensor. These sensors can be supplied with Auto-ID, which eliminates scaling when used with the PMAC 2000 instrument.

SPECIFICATIONS

Capacity: 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
Useable 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 speed: 5000 RPM

Material:
Shaft: Alloy Steel
Housing: Aluminum

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 (requires 10 pin connector)
- Footmount

DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>IN-LB</th>
<th>FT-LB</th>
<th>NM</th>
<th>DRIVE SIZE</th>
<th>OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>01325-051</td>
<td>50</td>
<td>4</td>
<td>6</td>
<td>1/4&quot; Hex</td>
<td>2.0 mV/V</td>
</tr>
<tr>
<td>01325-021</td>
<td>125</td>
<td>10</td>
<td>14</td>
<td>3.0 mV/V</td>
<td></td>
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</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.