Description

The AWS LTD Intelligent In-Line Torque Transducer range (IITT), are designed to accurately
measure torque values, in a variety of industries.
With optimised torque ranges, the transducer contains our Intelligent Instrumentation Package,
outputting using CAN-BUS protocol to communicate with the AWS LTD Professional
Transducer Display (PTD). This digital communication eliminates signal loss when using long
lengths of cable, providing flexibility in communicating with other devices and systems.
There is an option (using the ITMB, purchased separately) to bench mount the transducer in
either a vertical or horizontal position. The vertical position allows it to be mounted in ISO
torque wrench calibration machines.

Specifications

<table>
<thead>
<tr>
<th>Model: IITT-</th>
<th>1011</th>
<th>1012</th>
<th>1013</th>
<th>1014</th>
<th>1015</th>
<th>1016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranges:</td>
<td>0.1-2.5Nm</td>
<td>0.4-10Nm</td>
<td>2-50Nm</td>
<td>10-250Nm</td>
<td>20-500Nm</td>
<td>40-1000Nm</td>
</tr>
<tr>
<td>Square Drive Size:</td>
<td>¼”</td>
<td>¼”</td>
<td>⅜”</td>
<td>½”</td>
<td>¾”</td>
<td>¾”</td>
</tr>
</tbody>
</table>

Accuracy: Better than 0.1% of reading from 10 to 100% of rated output. See calibration certificate for full results.
Modes: Run: For Dial-type and Electronic Wrenches and Screwdrivers.
       Peak: For Cam-type Wrenches and Screwdrivers.
       1st Peak: For Click-type Wrenches and Screwdrivers, retains reading until manually cancelled or for 3
                   seconds if auto cancel option is chosen.
Communications: Communications via can bus. (When used with the AWS PTD-1010 power & display unit).
Power and Display: Requires only a single D.C power supply (when used with AWS PTD-1010, power and display is provided).
Overload capability: 125%
Maximum mechanical overload: 160% of range stated.
Operating Temperature: -10°C to +50°C.
Connector: Mil C 26482 series.
           6 pin. Shell size 10.
CE: 2004/108/EEC
EMC: BS EN 61326:2007
NATO Stock No: IITT-1011: 6625-22-623-1635
              IITT-1012: 6625-22-623-1636
              IITT-1013: 6625-22-623-1857
              IITT-1014: 6625-22-623-1635
              IITT-1015: 6625-22-623-1641

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### Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimension</th>
<th>Face Mounting Tapped Hole*</th>
<th>Square Drive</th>
<th>Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IITT-1011</td>
<td>100 75 60 36</td>
<td>M5</td>
<td>¼”</td>
<td>1.0</td>
</tr>
<tr>
<td>IITT-1012</td>
<td>100 75 60 36</td>
<td>M5</td>
<td>¼”</td>
<td>1.0</td>
</tr>
<tr>
<td>IITT-1013</td>
<td>100 75 60 36</td>
<td>M5</td>
<td>⅜”</td>
<td>1.0</td>
</tr>
<tr>
<td>IITT-1014</td>
<td>115 75 60 40</td>
<td>M5</td>
<td>½”</td>
<td>1.2</td>
</tr>
<tr>
<td>IITT-1015</td>
<td>150 90 75 55</td>
<td>M6</td>
<td>¾”</td>
<td>2.6</td>
</tr>
<tr>
<td>IITT-1016</td>
<td>150 90 75 55</td>
<td>M6</td>
<td>¾”</td>
<td>4.5</td>
</tr>
</tbody>
</table>

*The face mounting holes are in a square, centrally located around the square drive.

![Diagram of the device](image)