Series ST Torque Tool Testers present a simple, yet accurate solution for testing hand operated torque screwdrivers, wrenches, and other tools. Applications exist in manufacturing facilities in virtually every industry. The ST features a solid aluminum housing, making it rugged enough for many years of service in production or laboratory use, while a universal receptacle accepts common bits and attachments. The ST captures peak torque in both clockwise and counterclockwise directions.

Note: The ST cannot be used with power, impact or air tools.

**Specifications**

- **Accuracy:** ±0.5% of full scale ±1 digit
- **Power:** AC or non-rechargeable 9V battery, with Intelligent Power Management System (IPM). IPM warns the user via a "LO BAT" indicator and then will power off the gauge.
- **Battery Life:** 30 hours of continuous use
- **Selectable units of measurement:** lbFin, kgFmm, Ncm
- **Outputs:** Optional
  - RS-232: Fully configurable up to 9600 baud
  - Mitutoyo (Digimatic): Serial BCD suitable for all Mitutoyo SPC-compatible devices
- **Safe overload:** 150% of full scale (display shows "----" at 110% and above)
- **Weight:** 4.8 lb [2.2 kg]
- **Environmental Requirements:** 40° F - 100°F [5°C - 45°C], <98% humidity (non-condensating)
- **Thermal effects:** Zero: 0.03% of full scale/°C, Span: 0.01% of full scale/°C
- **Housing construction:** Aluminum
- **Warranty:** 3 years (see individual statement for further details)

**Dimensions in [mm]**

Simply place the torque tool into the universal receptacle and twist. The readout will show the torque value in the clockwise or counterclockwise direction.

**Ordering Information**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity x Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST12</td>
<td>12 x 0.01 lbFin, 140 x 0.1 kgFmm, 135 x 0.1 Ncm, 110V</td>
</tr>
<tr>
<td>ST50</td>
<td>50 x 0.05 lbFin, 580 x 0.5 kgFmm, 570 x 0.5 Ncm, 110V</td>
</tr>
<tr>
<td>ST100</td>
<td>100 x 0.1 lbFin, 1150 x 1 kgFmm, 1150 x 1 Ncm, 110V</td>
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<tr>
<td>ST001</td>
<td>Bench mounting bracket for ST</td>
</tr>
<tr>
<td>ST002</td>
<td>Carrying case for ST</td>
</tr>
</tbody>
</table>

For 220V operation, add suffix E to model number. Example: ST50E