Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Square Drive</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM-502</td>
<td>5-50.0 ft-lb</td>
<td>3/8 inch</td>
<td>0.6 pound</td>
</tr>
<tr>
<td>SPM-1002</td>
<td>10-100.0 ft-lb</td>
<td>3/8 inch</td>
<td>0.7 pound</td>
</tr>
<tr>
<td>SPM-1503</td>
<td>15-150.0 ft-lb</td>
<td>1/2 inch</td>
<td>0.8 pound</td>
</tr>
<tr>
<td>SPM-2503</td>
<td>25-250.0 ft-lb</td>
<td>1/2 inch</td>
<td>0.8 pound</td>
</tr>
<tr>
<td>SPM-4004</td>
<td>40-400.0 ft-lb</td>
<td>3/4 inch</td>
<td>1.4 pound</td>
</tr>
<tr>
<td>SPM-6004</td>
<td>60-600.0 ft-lb</td>
<td>3/4 inch</td>
<td>1.5 pound</td>
</tr>
</tbody>
</table>

Display: 5-digit, alpha-numeric LCD with function and battery indicator icons.

Accuracy: Within ±1% of Indicated Value of both CW and CCW directions. (10%-100% of F-S)

Calibration: Recommended to be performed (by DTS) once a year or every 15,000 cycles which ever comes first.

Resolution:

Units of measure: ft-lb, in-lb, Nm

Modes of measure: Track, Peak Hold

Measurement Modes:

TRACK - Real-time digital indication of applied torque for dial, bending beam or electronic wrench testing.

PEAK - 15-second display of highest torque reached during each application to indicate over-shooting.

Visual, Audible Alerts:

Yellow LED and buzzer pulse at 80% - 96% of target torque. Pulse rate increases as target torque is approached.

Green LED and buzzer alerts continuously when applied torque is within 96% - 104% of target torque.

Red LED and buzzer on continuously when applied torque exceeds >104% target torque or wrench full-scale.

Tactile Vibration when applied torque is within ±4% tolerance of target torque.

Temperature Drift: ±0.0015%/°F

Storage Temperature - 0°F to 125°F

Operating Temperature - 40°F to 110°F

Humidity - up to 90% non-condensing

Battery Power:

Rechargeable Li-Ion Polymer cell, 3.7V, up to 300 hours of operation per charge. charger: 4 - 6 hour, 110 - 240VAC wall block with universal adaptors, (included), or through PC with USB cable, (not included).

Certification:

This device is calibrated at the factory and is certified to meet International Standards. ISO-6789-2003 and ASME B107-2005 standards compliant. Certificate of N.I.S.T. (National Institute of Standards Technology). Traceability from 10% to 100% of full scale.

Maintenance:

To clean the Meter, wipe with a lightly dampened cloth. DO NOT use: solvents, thinners or engine cleaners. DO NOT immerse in any liquids. It is highly recommended that your Torque Meter be calibrated once a year or every 15,000 cycles; whichever comes first. Contact Digitool Solutions representatives for repair and calibration services.

Warranty Service and Recalibration

Digitool Solutions provides a 1 year warranty that covers any Digital Torque Meter which falls to give satisfactory service due to defective workmanship or materials (excluding calibration) for 12 months from the date of original purchase. Calibration is only covered by this warranty for each new unused Torque Meter out of box. Products must be returned with proof of purchase—freight prepaid—to the warranty service center listed below. This warranty excludes Torque Meter Pros which have been subjected to abnormal use, accidental damage, neglect, or lack of maintenance. Any modification or disassembly of this Torque meter, or repair by an unauthorized service center will void the warranty. This warranty gives you specific rights. You may also have other rights which vary from state to state. The foregoing obligation is Digitool Solutions sole liability under this or any implied warranty; and under no circumstances shall Digitool Solutions be liable for any incidental or consequential damages.

Note: Some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore, we do not use the disclaimer above.

For Warranty Service and Recalibration/Certification Services, contact:

Digitool Solutions LLC,

13905 Ramona Ave. Unit #A
Chino, CA 91710

Phone: (909)591-9581
Fax (909) 233-6491

Website: digitoolsolutions.com

Ver. Dec 2014
### Operator Instructions

1. **Setup:**
   
a. Turn on the Torque Meter Pro by pushing the U or M or UP buttons.

   b. Push the U key to select Units.
      - **For Track and Peak** to view the units of measure: Repeatedly push the U key to display the desired units of measure, ft-lb, in-lb or Nm.

   c. Push the M key to select the display mode:
      - **TRACK (T)** for tracking torque applying.
      - **PEAK (P)** Display will hold the highest torque applied.

2. **Application:**
   
a. With the power on, install the Torque Meter Pro between the driver and the socket.

   b. Apply torque load to the fastener in either CW or CCW directions. During loading, the Torque Meter Pro will display applied torque in real time.

   c. When the applied torque is within 4% of the TARGET TORQUE value in TRACK or PEAK modes, the green LED, buzzer and vibrator (optional) will alert continuously. Stop applying torque, as the installation is complete.

   **Release Indications:**
   - Should the applied torque exceed the TARGET TORQUE value by more than 4%, the red LED and buzzer will alert continuously. If the torque is exceeded 125% of the full scale, meter will indicate “OVER TORQUE.”

### Box Includes:

- **Torque Meter** P/N SPM-XXXF
- **Rechargeable Li-Ion Polymer cell** P/N DTS-BAT1
- **Universal battery charger** P/N DTS-CHARGER1
- **User’s Guide** P/N DTS-UG-SPA