

# TEST THE HEALTH OF YOUR TORQUE WRENCHES - ANYWHERE WITH THE 250 FT. LB. DIGITAL TORQUE TESTER

Utilizing the testing protocol and standards developed by the American Society of Mechanical Engineers (ASME)

The CDI Digital Torque Tester™ (DTT) is designed to be an affordable torque tester that can be mounted on a wall or used in a bench-top vise to allow the operator to conveniently test torque wrenches and torque screwdrivers. It features an easy to use touch pad screen to capture peak torque values during a test in real time, and download stored torque data to a PC. All DTT torque testers are sold in a kit with the complete tester, hard carrying case, a socket driver reducer adapter and AC/DC power supply.

CDI Torque Products is America's largest manufacturer of electronic and mechanical Torque Tools. A leading industry innovator for over 30 years, CDI provides the highest in quality torque measurement and torque limiting devices.

## 2503-F-DTT FEATURES

- Range: 14 - 250 ft.lb.
- Integral Transducer and sturdy housing allow mounting in virtually any position
- Integral Transducer: Full bridge strain gage, 350 ohm, 1500uE, 3mV/V F.S, 3.75 excitation.
- Units of Torque: Nm, kgcm, ft.lb., in.lb., kgm
- Audible (tone)
- Torque Accuracy:  $\pm 0.5\%$  CW and CCW from 5.6 to 100% of full scale at 25° C
- LCD Touch Screen: 4.7 in. color graphics display
- Screen resolution: 480 X 272 pixels
- 110 Volt AC/DC power supply included
- Display Accuracy: 4 digits, 9999 cycle counts
- Six "AA" Alkaline cells for battery power included
- Track, Peak and First Peak modes of operation
- Operating Temperature: 40 to 110° F (5 to 42° C)
- Storage Temperature: 0 to 122° F (-20 to 50° C)
- Humidity up to 85% non-condensing
- ISO-6789-2003 and ASME B107-28-2005 standards compliant
- Certificate of N.I.S.T. traceability from 5.6 to 100% of full scale
- Includes storage case, AC adapter and USB cable

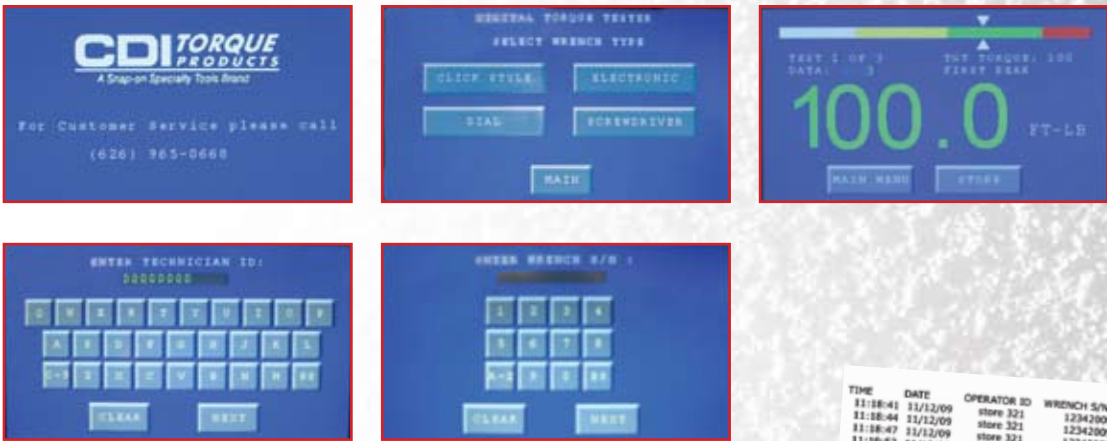
*21st Century  
Technology*



**CDI TORQUE  
PRODUCTS**  
A Snap-on Specialty Tools Brand

# DIGITAL TORQUE TESTER™ SCREEN CYCLE

## Sequential Process



American Society of Mechanical Engineers (ASME) Emulation test of 20% / 60% / 100%

TIME	DATE	OPERATOR ID	WRENCH S/N	ACT TORQUE	TGT TORQUE	ERR(%)	UNITS
11:18:41	11/12/09	store 321	12342009	40.34	40	0.84	FT-LB
11:18:44	11/12/09	store 321	12342009	41.01	40	2.52	FT-LB
11:18:47	11/12/09	store 321	12342009	40.35	40	0.88	FT-LB
11:19:53	11/12/09	store 321	12342009	121.29	120	1.16	FT-LB
11:19:58	11/12/09	store 321	12342009	121.1	120	0.92	FT-LB
11:19:58	11/12/09	store 321	12342009	121.15	120	0.96	FT-LB
11:20:47	11/12/09	store 321	12342009	203.75	200	1.88	FT-LB
11:20:50	11/12/09	store 321	12342009	202.78	200	1.39	FT-LB
11:20:54	11/12/09	store 321	12342009	202.84	200	1.42	FT-LB

Sample torque data report from DTT

## DTT Models

Stock No.	Square Drive	Range English	Range, Nm	Range, kgcm
<b>1001-O-DTT</b>	<b>1/4"</b>	<b>10 - 100 in.oz.</b>	<b>.07 - .706</b>	<b>.72 - 7.20</b>
<b>501-I-DTT</b>	<b>1/4"</b>	<b>5 - 50 in.lb.</b>	<b>.56 - 5.65</b>	<b>5.76 - 57.60</b>
<b>2502-I-DTT</b>	<b>3/8"</b>	<b>25 - 250 in.lb.</b>	<b>2.82 - 28.25</b>	<b>28.80 - 288.0</b>
<b>2503-F-DTT</b>	<b>1/2"</b>	<b>14 - 250 ft.lb.</b>	<b>19.00 - 350</b>	<b>345.6 - 3456</b>
<b>6004-F-DTT</b>	<b>3/4"</b>	<b>60 - 600 ft.lb.</b>	<b>81.35 - 813.5</b>	<b>829.5 - 8295</b>

<b>Accuracy:</b>	± 0.50% 10% to 100% CW & CCW of indicated test value @ 25° C (Except 2503 -F-DTT)
<b>Units of Measure:</b>	Nm, kgcm, ft.lb., in.lb., in.oz., kgm, cNm
<b>Operation Modes:</b>	TRACK, PEAK, FIRST PEAK
<b>Operating Temperature:</b>	10 to 32° C (50 to 90° F)
<b>Storage Temperature:</b>	-20 to 50° C (-2 to 122° F)
<b>Humidity:</b>	85% Relative Humidity @ 21° C (70° F)
<b>Power Supply:</b>	Included 9-volt A/C D/C adapter. 6 AA batteries included.
<b>Data Storage/Recall:</b>	Memory Capacity – 500 Records (Complete Check Mode Only.)
<b>Dimensions:</b>	W - 10" x H - 16" x D - 2.5"
<b>Weight:</b>	(Tester Only) - 10.7 lbs., (with Carrying Case) - 17.4 lbs.

All CDI Torque Wrenches and Testers are provided with a Certificate of Calibration.

See many more torque products at [www.jhwilliamsstoolgroup.com](http://www.jhwilliamsstoolgroup.com).



### WARNING

- Do not exceed rated torque.
- Periodic recalibration is necessary to maintain accuracy..