

## CDI TORQUE PRODUCTS

### MULTITORQ TORQUE & DATA COLLECTION SYSTEMS

The **MULTITORQ** portable electronic torque meter displays torque readings from sensors that attach between sockets and driver. MULTITORQ is a highly versatile torque analyzer/data acquisition system that can be used with sockets, extensions, universal joints, ratcheting drivers or any combination of these. Sensors are sold separately, available in 8 ranges from 2-20 in. ozs. to 150-1500 ft. lb. Accuracy  $\pm 1\%$  of reading ( $\pm 2\%$  reading for 20 in. oz., and 10 in. lb.) 10-100% of sensor range.

The torque analyzer features a wide angle viewing LCD display with selectable readouts; ft. lb., in. lb., in. oz., Nm, dNm, mkg, and cmkg units. Torque target settings are entered via a push button membrane keyboard. High and low torque limits are adjustable to give an audible and visual alarm. The user selects Track mode to display torque values as they are applied, or Peak mode to display the highest torque value applied.

#### Features

- 4 digit w/ alpha & numerical function flags
- 4 digit, 8000 counts display capacity
- Accuracy:  $\pm 1\%$  of indicated value, cw & ccw, from 10% to 100% of full scale, 201-O-MT and 101-I-MT are  $\pm 2\%$
- Soft touch keys: hi/lo alarm, zero tare, set-up, units, store/recall/clear, send, statistics, enter
- Units of measurement: ft. lb., in. lb., in. oz., Nm, dNm, mkg and cmkg
- Storage: -20 to 50 degrees C (-2 to 122 degrees F)
- Humidity: up to 90%, non-condensing
- Dimensions: 3" wide, 2.5" high (3" with belt clip), 6" deep
- Weight: 1 pound
- Charge life (full charge to shutoff): 20 hours continuous
- Battery chargers: 120 VAC
- Optional 220 Volt charger available
- Output: 9VDC, 200mA
- Data storage/recall: 3500 measurements
- Serial output port: RS-232 (true), 300-19.2k baud, and mitutoyo (statistical protocol)
- Rechargeable Ni-Cad batteries
- Reads bi-directionally (cw and ccw)

### MULTITORQ TORQUE & DATA COLLECTION SYSTEMS

#### Standard Set Includes:

Product Code	Description
1600-MT	MULTITORQ Unit includes: power pack/charger (P115-30) and case (1600-50)

#### Sensors: (sold separately)

Product Code	Torque Range	Drive
201-O-MT	2 - 20 in. oz.	1/4"
101-I-MT	1 - 10 in. lb.	1/4"
501-I-MT	5 - 50 in. lb.	1/4"
2001-I-MT	20 - 200 in. lb.	1/4"
1002-F-MT	10 - 100 ft. lb.	3/8"
2503-F-MT	25 - 250 ft. lb.	1/2"
6004-F-MT	60 - 600 ft. lb.	3/4"
15005-F-MT	150 - 1500 ft. lb.	1"

Certificate of accuracy traceable to N.I.S.T. supplied with each transducer. All components ordered separately.

#### Optional Accessories:

Product Code	Description
2000-50-1	Download Cable Rs-232 to 9 Pin Serial Point
1800-5027	220 VAC (50-60 Hz) Charger



Turns any ordinary ratchet wrench....



...into a highly accurate digital torque tool.

## CDI TORQUE PRODUCTS

### DIGITAL TORQUE TESTER™ (DTT)

#### TEST THE HEALTH OF YOUR TORQUE WRENCHES – ANYWHERE WITH THE DIGITAL TORQUE TESTER.

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

The **Digital Torque Tester™ (DTT)** is designed to be an affordable torque tester that can be mounted on a wall or with the optional table bracket 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 tester, carrying case and AC/DC power supply.



### DIGITAL TORQUE TESTER™ (DTT)

Product Code	Female Drive	Range English	Range cNm, Nm	Range, kgcm
1001-O-DTT	1/4"	10 - 100 in.oz.	7.06 - 70.6 cNm	.720 - 7.20 cmkg
8001-O-DTT*	1/4"	20 - 800 in.oz.	14.1 - 565 cNm	1.44 - 57.6 cmkg
501-I-DTT	1/4"	5 - 50 in.lb.	56 - 565 cNm	5.76 - 57.60 cmkg
1001-I-DTT	1/4"	10 - 100 in.lb.	113 - 1113 cNm	11.5 - 115 cmkg
2502-I-DTT	3/8"	25 - 250 in.lb.	2.82 - 28.25 Nm	28.80 - 288.0 cmkg
4002-I-DTT	3/8"	40 - 400 in.lb.	4.52 - 45.2 Nm	46 - 460 cmkg
10002-I-DTT	3/8"	100 - 1000 in.lb.	11.3 - 113 Nm	115 - 1152 cmkg
2503-F-DTT	1/2***	25 - 250 ft.lb.	33.8 - 338 Nm	3.45 - 34.5 kgm
6004-F-DTT	3/4"	60 - 600 ft.lb.	81.3 - 813 Nm	8.30 - 83 kgm

Accuracy: ± 0.50% 10% to 100% CW & CCW of indicated test value @ 25° C  
 \*Accuracy: ± 1% CW & CCW from 2-1/2% to 100% of full scale. New for Torque Screwdriver.  
 Units of Measure: Nm, kgcm, ft.lb., in.lb., in.oz., kgm, cNm  
 Operation Modes: PEAK, FIRST PEAK  
 Operating Temperature: 10 to 32° C (50 to 90° F)  
 Storage Temperature: -20 to 50° C (-2 to 122° F)  
 Humidity: 85% Relative Humidity @ 21° C (70° F)  
 Power Supply: Included 9-volt A/C D/C adapter. 6 AA batteries included.  
 Data Storage/Recall: Memory Capacity – 500 Records  
 Dimensions: W - 10" x H - 16" x D - 2.5"  
 Weight: (Tester Only) - 10.7 lbs., (with Carrying Case) - 17.4 lbs.  
 \*\* Includes 1/2" - 3/8" Reducer



Snap this code with your smartphone to watch the video!

TORQUE TOOLS

TESTERS

### DTT OPTIONAL ACCESSORIES

Product Code	Description
2344-0050-03	Table Mounting Bracket for DTT Series Testers
2344-0051-02	Male SQ Adapter 3/8" x 3/8"
2344-0051-11	1/4" to 1/4" Male x Male Square Adapter
2344-0051-13	1/2" to 1/2" Male x Male Square Adapter
2344-0051-16	3/8" to 1/2" Male x Male Square Adapter
2344-0051-19	3/4" to 1-1/4" Male x Male Square Adapter



Table Mounting Bracket

## WILLIAMS

### TORQUE COMPARATOR

Large dual scale. Perfect when a quick check of your wrench is required before usage. Compact design allows for mounting on any flat surface in either horizontal or vertical position. Torque Comparator is calibrated on torque testers which are certified using test bars and "F" weights traceable to NIST. +/- 2% accuracy from 20% of full scale to full scale. Calibration Compliance Certificate.

### TORQUE COMPARATOR

Product Code	Square Drive	English Capacity	Inc.	Nm, Capacity	Inc.
1753-TC	1/2"	175 ft. lbs.	5 ft. lbs.	230 Nm	10 Nm
6004-TC	3/4"	600 ft. lbs.	5 ft. lbs.	800 Nm	20 Nm



## CDI TORQUE PRODUCTS

### ETT™ ELECTRONIC TORQUE TESTER

The ETT (Electronic Torque Tester) is CDI's portable torque tester. Unlike a torque calibration system, which can be used to generate a torque wrench certification, the ETT is a portable, battery powered stand-alone torque tester. It can also be used on AC power. Its primary use is to check the accuracy of dial and click type torque wrenches and torque screwdrivers to maintain their accuracy in between calibrations. With the addition of a joint rate simulator, ETT can also check stall and clutch type pneumatic and electronic torque tools. It should not be used with any impact or pulse type tools. There are eight models with torque ranges from 10 inch ounces up to 600 foot pounds.

#### Features

- Integral transducer and sturdy housing allow mounting in virtually any position
- Unique neck design allows the operator to see the LCD display when testing long torque wrenches
- Accuracy: ± 0.5% of indicated value, cw & ccw, from 10% to 100% of full scale + 1 increment or least significant digit
- Four modes of operation: peak mode, power tool mode, first peak mode and track mode
- Dual scale (English/Nm or English/cNm, dNm)
- Auto/manual display reset
- Reads bi-directionally (cw and ccw)
- Rechargeable NiCad batteries
- Designed to be a sturdy low cost tester, ETT can be placed on the wall in the factory, on a portable cart or on a bench allowing operators to test torque wrenches or power tools without having to leave their station



### ELECTRONIC TORQUE TESTERS (ETT)

Product Code	Torque Range SAE	Torque Range Newton Meter	Drive Size
1001-OETT	10 - 100 in. oz.	7.0 - 70.6 cNm	1/4"
4001-OETT	40 - 400 in. oz.	28 - 280 cNm	1/4"
501-I-ETT	5 - 50 in. lb.	5.6 - 56 dNm	1/4"
1001-I-ETT	10 - 100 in. lb.	11.3 - 113 dNm	1/4"
2502-I-ETT	25 - 250 in. lb.	28 - 280 dNm	3/8"
10002-I-ETT	100 - 1000 in. lb.	113 - 1130 dNm	3/8"
2503-F-ETT	25 - 250 ft. lb.	34 - 339 Nm	1/2"
6004-F-ETT	60 - 600 ft. lb.	81 - 813 Nm	3/4"

- Use joint simulator with Power Tools
- Power adapter cord included - Part #P115-30
- Bench bracket available - Part #343-25
- Socket adapter included with tester (female to female) suited for size of square drive of ETT



TORQUE TOOLS

TESTER



## CDI TORQUE PRODUCTS

### DIGITAL TORQUE CHECKER

Perfect for checking mechanical and digital torque wrenches regularly before use. Simple operation and affordable, to allow convenient mounting close to each departments where torque wrenches are used frequently

Product Code	Square Drive	English Capacity	Nm. Capacity	Weight
2503-F-DTC	1/2"	25-250ftlbs	34-339 Nm	4.9 lbs
1002-F-DTC	1/2"	5-100FT LBS	-	4.9 LBS
DTS82-69	A/C Adaptor			
3325-0440-01	Bench Mount Bracket			



#### Features

- Simple operation enables any torque wrench user to quickly check wrench accuracy
- Uses 3 AA batteries (Included), LCD displays battery life indicator
- Large backlit LCD screen
- Audio beep on overtorque (125% of full scale)
- 3/8" Adapter included
- Accuracy +/- 1%
- Push Button Mode Select: First peak, Peak Hold, Tracking
- Units: Ft-Lb, In-Lb, Nm
- Includes Certificate of Calibration
- Compact design for mounting on any flat surface in horizontal or vertical position
- CE Approved
- Overall dimensions are: 4 3/4 x 13 1/2 x 2 3/16



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