

# DTL

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Digital Torque Wrench

## Operating Instructions



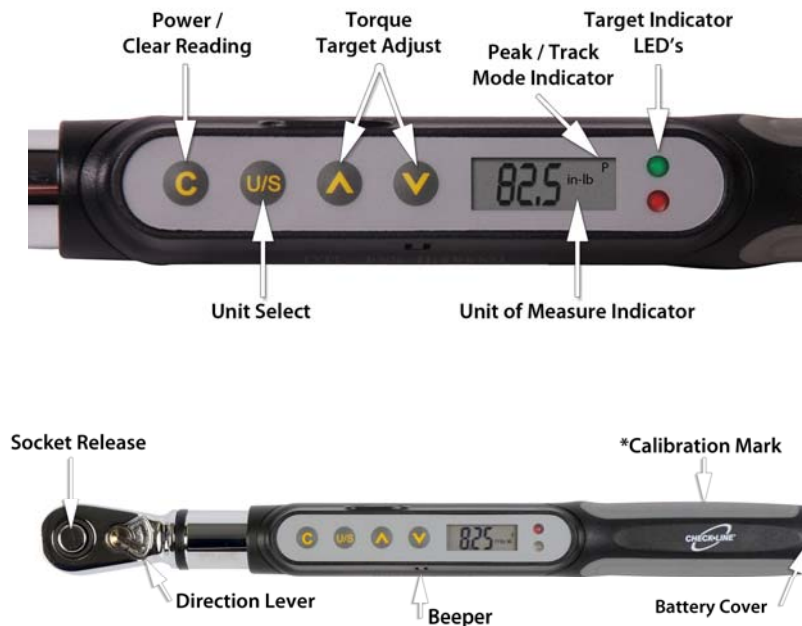
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## Thank you!

Dear Customers,  
Thank you for purchasing the DTL digital torque wrench. This instruction manual will help you to use the many features of your new digital torque wrench. Before operating the torque wrench, please read this manual completely, and keep it nearby for future reference.

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## NAMES & FUNCTIONS OF PARTS



\*The Calibration Mark is a small notch in the center of the handle to indicate where force should be applied when checking calibration accuracy.

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## CALIBRATION

We recommended annual calibration of the DTL Torque wrench to ensure it is measuring according to factory specifications. For calibration service please return to:

ELECTROMATIC Equipment Co., Inc.  
Attn Calibration Department  
600 Oakland Ave  
Cedarhurst, NY 11516

Please visit [www.checkline.com/repair](http://www.checkline.com/repair) for complete instructions and services rates.

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## WARRANTY

ELECTROMATIC Equip't Co., Inc. expressly warrants to its buyer for one (1) year from the date of delivery that the goods sold are free from defects in workmanship and materials. ELECTROMATIC Equip't Co., Inc. will, at its option, repair or replace or refund the purchase price of goods found to be defective. This remedy shall be the buyer's sole and exclusive remedy. Any modification, abuse, exposure to corrosive environment or use other than intended will void this warranty. This warranty is in lieu of all other warranties, including implied warranties of merchantability and fitness for an intended purpose. In no event shall ELECTROMATIC Equip't Co., Inc. be liable for any incidental and consequential damages in connection with goods sold or any part thereof.

## TARGET TORQUE INDICATION

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The DTL torque wrench will alert you to reaching 90% of the target value by an audible beep and a green LED light. When you reach 100% the beep will change to a steady tone. When the torque applied is greater than the target a red light will illuminate above the green.

## MAINTENANCE AND STORAGE

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1. Do not Over-torque (105% of Max. torque capacity). Over-torqueing can damage torque wrench or cause it to lose accuracy.
2. If Er0 is displayed when the wrench is powered on, it indicates that it has been overloaded and should be returned to the factory for service.
3. Remove battery when storing for long period of time.
4. Do not use this torque wrench as a hammer.
5. Do not expose to excessive heat, humidity, or direct sunlight.
6. Do not use the torque wrench near water.
7. If the torque wrench gets wet, wipe it with a dry towel as soon as possible. The saltwater can be especially damaging.
8. Do not use organic solvents, such as alcohol or paint thinner when cleaning the torque wrench.
9. Keep this torque wrench away from magnets.
10. Do not expose this torque wrench to dust or sand as this could cause serious damage.
11. Do not apply excessive force to the LCD panel.

## SPECIFICATIONS

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<b>Accuracy*</b>	Clockwise: $\pm 2\%$ Counter-Clockwise: $\pm 3\%$ From 20% to 100% of capacity, $\pm 1$ least significant digit
<b>Capacity</b>	12 Nm 106.2 lb-in 8.85 lb-ft 122.4 Kg-cm
<b>Resolution</b>	0.01 Nm 0.1 lb-in 0.01 lb-ft 0.1 Kg-cm
<b>Presets</b>	1 Programmable setpoint with both audible beep and Green/Red LED indicator

<b>Operating Modes</b>	Peak and Track
<b>Drive</b>	1/4 Inch - 6.35 mm Male Square
<b>Power Supply</b>	1x AAA Battery (included)
<b>Battery Life</b>	12 Hours of continuous operation
<b>Auto Off</b>	Automatic power off after 5 minutes of non-use
<b>Operating Temp.</b>	-10°C - 60°C
<b>Storage Temp.</b>	-20°C - 70°C
<b>Length</b>	8 inches / 20 mm
<b>Warranty</b>	1 Year

## BEFORE USING THE TORQUE WRENCH

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### Battery Installation

- Remove the battery cover
- Insert one (1) AAA batteries with positive end facing the front of the torque wrench
- Reinstall battery cover and rotate to lock it in place. Take care to line up arrows on cap and back of torque wrench when installing.



## POWER ON AND RESETTING THE TORQUE WRENCH

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- Press **C** to power on the torque wrench
- Press **C** to zero the torque wrench before use
- **NOTE:** After pressing **C** the target torque value will be displayed

### ATTENTION:

1. If an external force is applied to the torque wrench during power-on or zeroing an initial torque offset will exist in memory.
2. The measuring unit and operating mode (track / peak) are stored in memory. Once set they will be permanently stored.

## SLEEP MODE

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The torque wrench will automatically go to sleep after 5 minutes of non-use. Press **C** to wake the torque wrench from sleep.

## INSTALLING SOCKET

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The DTL torque wrench uses standard 1/4" (6.35mm) sockets. To remove the socket press the release button on the top of the wrench head.



## SELECTING UNITS OF MEASURE

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The DTL torque wrench can display measurements in Newton Meters (**N-m**), Pound-Inch (**lb-in**), Pound-Foot (**lb-ft**) and Kilogram Centimeter (**Kg-cm**). The selected measuring unit is displayed right side of the display.

Press the **U/S** to switch between measuring units.

## SELECTING TRACK / PEAK MODE

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The DTL can display torque in **TRACK** or **PEAK** mode. When in **track** mode the torque wrench will display the target torque while there is no torque applied, when torque is applied the torque wrench will display real-time torque value until pressure is removed, then the display will show the target value. In peak mode the torque wrench will display the target torque while there is no pressure applied, when pressure is applied the torque wrench will display and hold the highest value measured until pressure is removed from the torque wrench then applied again or the **C** (zero) key is pressed.

To select TRACK or PEAK mode press and hold the **U/S** key for 2 seconds, the display will show **MODE**, then press the up or down arrow key to select between PEAK or TRACK mode (indicated by a small P or T in the bottom right corner of the display). Then press the **U/S** key two times to confirm your selection and return to measurement mode.

## SETTING TARGET TORQUE

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The DTL has 1 adjustable preset target value. The preset value is displayed on the screen after **C** is pressed. To adjust the preset press the UP / DOWN arrow keys to set the target value. The wrench saves both target torque and unit of measure when the torque wrench is powered off.