



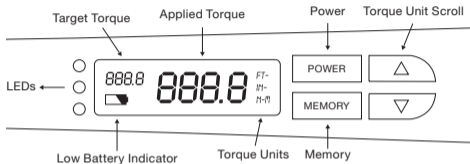
# **BROWNLINE**

## **INSTRUCTION MANUAL**

**PLEASE READ CAREFULLY  
BEFORE USING**

## Power On/Off

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- Press the Power button to turn the unit on.
- When turned on, both Applied Torque and Target Torque will display all zeros.
- Pressing and holding the Power button for two seconds will turn the unit off.
- Auto Shut Off: When not used for 3 minutes, the wrench will automatically turn off to preserve battery power.

## Operation: Peak Mode

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- To change the Target Torque Setting press the Memory button. Target Torque display will begin blinking.
- Press the Up or Down button until desired Target Torque level is reached. Target Torque moves in increments of .5 ft/lbs, 6 in/lbs, and .6/.7 Nm. Hold the Up or Down button down to speed up the change in value.

## **Operation: Peak Mode** *(Cont.)*

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- Press the Memory button. The Target Torque display will stop blinking, and the new Target Torque will be displayed.

**Note:** The maximum Target Torque setting is 150 ft/lbs (1,800 in/lbs, 230 Nm).

- The accuracy of the readings are as follows:

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30–150 ft/lbs

360–1,800 in/lbs      3.5% CW & CCW

40.7–203.4 Nm

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15–29.5 ft/lbs

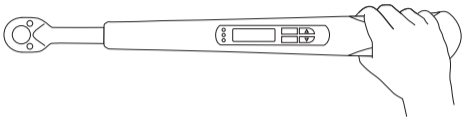
180–354 in/lbs      7% CW & CCW

20.3–40 Nm

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## Applying Torque

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- Grip the center of the handle area as outlined by the orange soft-touch grip. **Avoid gripping the wrench above or below the outlined area.**
- Tighten the nut/bolt by using a slow and steady pull.
- Keep the wrench at a 90-degree axis to the nut/bolt when applying torque.

## **LCD Display**

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- As the user applies torque, the Applied Torque reading will be displayed in real time.

**Note:** The wrench will not display readings under 15 ft/lbs.

- When the user stops applying torque for more than three seconds, the highest torque reading achieved will flash and be displayed until the memory button is pressed.

## **Light-Emitting Diodes (LEDs) Sequence**

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- Green LED turns on when user begins to apply torque.
- Yellow LED turns on when 80% of target torque is reached.
- Red LED turns on when 100% of target torque is reached.

## Buzzer

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- Buzzer will beep at 100% of target torque. When buzzer sounds, stop applying torque immediately.

## Changing Torque Units

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- Pressing the Up or Down button will change the Current Torque and Target Torque from ft/lbs to in/lbs to Nm. The Torque Unit icons show the user which unit of measurement is currently being displayed. When setting Target Torque, the Torque Units icon should be positioned to the correct Unit of Measure that the user wants to set the Target Torque to.

## **Resetting**

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- After the high torque is displayed, pressing the Memory button will reset the Actual Torque to zero, but keep the Target Torque the same. The wrench is now ready to be used.
- Pressing the Memory button again will allow the user to change the Target Torque.

## **Operation: Track Mode**

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- The unit will operate in Track Mode when the Target Torque is set to zero.
- To set the Target Torque to zero, follow the same process as in Peak Mode.
- When in Track Mode, the torque is applied the same way as in Peak Mode.
- Applied Torque values will display in real time.



## **Operation: Track Mode** *(Cont.)*

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- In Track Mode, there are no LED or buzzer warnings.
- When the user stops applying torque, Applied Torque will display all zeros.
- In both Track and Peak Modes, the buzzer will sound a continuous series of short beeps when the Current Torque exceeds 150 ft/lbs. The LCD will not display readings over 150 ft/lbs.

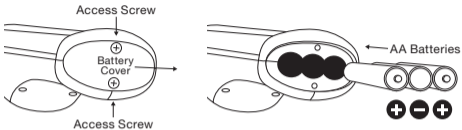
## **Changing Batteries**

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1. Unscrew the Access Screws on the Battery Cover.
2. Lift Battery Cover off of the housing.
3. Insert three AA batteries. Battery orientation is specified on the inside of the battery chamber, and can be seen in the following picture.

## Changing Batteries (Cont.)

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4. Fit the Battery Cover back on the housing using the screw holes and guide bars for alignment.

The Brown Line Metalworks logo should be facing up when reattaching the back cover.

5. Reattach the Battery Cover with Access Screws

**Note:** When Low Battery icon appears on LCD, the batteries must be changed in order to ensure that the unit operates properly.

**Note:** When the wrench is not used for prolonged periods of time, it is recommended to remove the batteries from the case.

## **Safety Instructions**

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- Always wear eye protection when using the Digital Torque Wrench.
- Keep proper footing and balance when using the Digital Torque Wrench.
- Never apply more torque than the maximum wrench capacity.
- Make sure that all components (e.g., adapters, sockets, extensions) match or exceed the amount of torque being applied.
- Plastic handle is not insulated—the Digital Torque Wrench should not be used on live electrical circuits.
- Do not use the Digital Torque Wrench near explosive gasses or fumes.
- Maintain the Digital Torque Wrench with care. Do not use a damaged Torque Wrench.

## **Avoid Damaging the Torque Wrench**

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- Do not use the Digital Torque Wrench to break a fastener loose.
- Always pull the Digital Torque Wrench towards you. Do not push.
- Do not use extensions or cheater bars on the handle of the Digital Torque Wrench.
- The Digital Torque Wrench is a precision instrument. Avoid bumping or shocking the wrench when being used.
- Do not immerse the Digital Torque Wrench in fluids.
- Periodic calibration is necessary to maintain tool accuracy.

## **Calibration**

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- Contact Brown Line Metalworks for calibration services. For additional information, please visit [brownlinemetalworks.com](http://brownlinemetalworks.com).

## **Limited Warranty**

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The Digital Torque Wrench (“Product”) is warranted by Brown Line Metal Works, LLC (“Seller”) (i) to be free from defects in material and workmanship for a period of one year following date of purchase, and (ii) to meet the calibration accuracy standards set forth in Seller’s authorized product literature for a period of ninety (90) days following date of purchase.

Any Product believed by buyer to be defective must be returned by buyer to Seller’s facility in Chicago, Illinois, U.S.A., transportation prepaid,

for examination by Seller. Such action must be taken not later than thirty (30) days following the end of the aforementioned warranty periods. Failure to take such action within such period shall be a waiver of this limited warranty, and no assistance or other action thereafter taken by Seller shall be deemed to extend or revive the warranty period.

If, in Seller's sole judgment, the Product returned by buyer is not defective or for some other reason is not covered under this limited warranty, buyer shall pay Seller the cost of returning the Product to buyer. If, in Seller's sole judgment, the Product returned by buyer is defective and covered under this limited warranty, Seller shall have the option of repairing, recalibrating, or replacing the Product, at Seller's charge.

This limited warranty shall not apply to any Product which, in Seller's sole judgment, has been the subject of negligence, abuse, accident, tampering, or alteration; nor shall it apply to any Product damaged by acts of God, war or civil insurrection, improper operation, maintenance or storage, or other than normal use, including, without limitation, failures caused by corrosion, erosion, wear and tear, rust or other foreign materials, or any failure to use the Product in accordance with all applicable instructions, specifications and recommendations of Seller.

This limited warranty shall not cover, and Seller shall not under any circumstance be liable for, damages for injuries to persons or property; loss of profits; loss of use; other commercial loss; expenses of labor, travel or other items related to the return or replacement of defective Products;

or any consequential, incidental, contingent or special damages, whether arising in contract, in tort or under statute; or any other damages or expenses not agreed upon in writing by Seller, even if Seller has been advised of the potential for any such damages or expenses. In no event shall Seller be liable for an amount greater than the original purchase price of the Product.

THIS LIMITED WARRANTY IS IN LIEU OF ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR USE. No person is authorized to give any other warranty or to assume any other liability on Seller's behalf.