

CLARKE®



1/4" DRIVE DIGITAL TORQUE WRENCH MODEL NO: PRO235

PART NO: 1700635

USER INSTRUCTIONS



ORIGINAL INSTRUCTIONS

DL1123 - Rev 2

INTRODUCTION

Thank you for purchasing this CLARKE Torque Wrench.

This CLARKE product has been designed to give long and trouble free service. If however, having followed the instructions in this booklet carefully, you encounter problems, take the unit to your local CLARKE dealer.

LIFETIME GUARANTEE

The lifetime guarantee covers defects in manufacture or materials during the lifetime of the tool, however this guarantee does not apply to the ratchet mechanism. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for it's intended purpose.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission. This guarantee does not effect your statutory rights.

ENVIRONMENTAL PROTECTION

Do not dispose of this product with general household waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of appropriately according to the laws governing Waste Electrical and Electronic Equipment at a recognized disposal facility.

GENERAL SAFETY PRECAUTIONS

1. Never exceed the permitted maximum torque value for this wrench. Overloading the wrench could cause damage.
2. Ensure that associated adaptors, extensions and sockets are rated to equal or exceed the torque being applied.
3. Always use the correct size and type of socket for the nut/bolt.
4. Never use sockets showing wear or cracks.
5. Always pull the wrench towards you. Never push it away and adjust your stance to prevent a fall should something give way unexpectedly.
6. Never operate the torque wrench or remove the batteries with wet hands.

OVERVIEW

This torque wrench is designed to tighten nuts with precision and with careful and considerate use, the wrench will give years of reliable service. Features of the wrench include:

- LED Screen with Back Light (Blue)
- Audible/light Alarm (when pre-set target torque is reached)
- Auto Power-Off
- Peak Value Hold/Track selection
- Target Torque Value Preset
- Low Battery Indication
- Moulded Storage Case

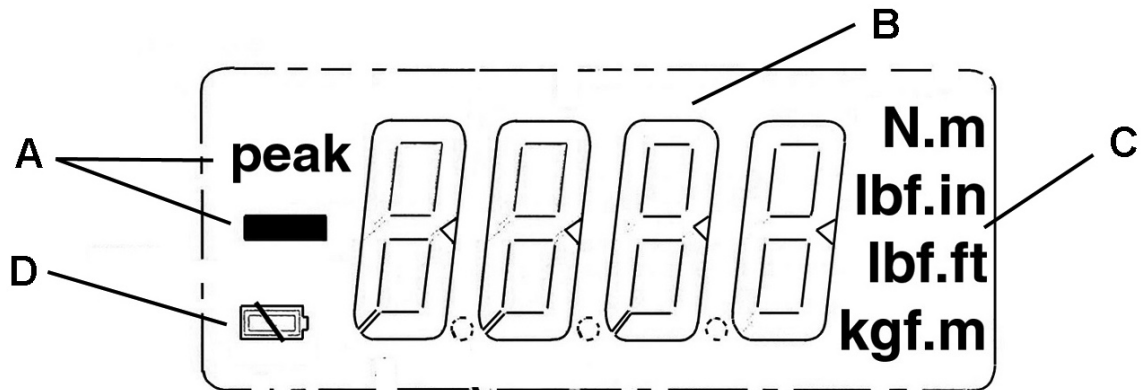


SPECIFICATIONS

PRO235	
Drive Shank Size	1/4"
Torque Range	3-30Nm
Selectable Unit of Measurement	Nm, lb-in, il-ft & kg-m
Torque Function in Both Directions	Yes
Accuracy	+/- 2%
Overall length	275 mm
Weight	0.54 kg
Batteries required	2 x CR2032 (3-volt)
Battery life	60 Hr
Operating temperature	0-40°C

THE CONTROL PANEL

THE DISPLAY



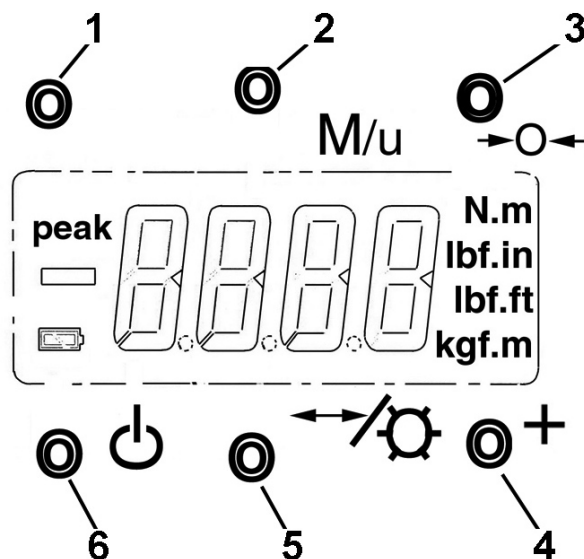
A Peak/Track mode indicator

B The value of torque measured/preset value displayed

C Selectable units of measurement

D Battery Condition indicator

THE PUSHBUTTONS



1. Warning LED illuminates when pre-set torque is reached

2. **M/u** button for measurement unit selection and to select between 'Track' and 'Peak' modes.

3. Zero/tare.


4. Change the value of the pre-set torque.

5. Illuminating the display / press to move to the next digit.



6. Power ON/OFF button.

PREPARATION FOR USE

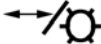
FITTING THE BATTERIES

1. Unscrew the battery cap.
 2. Install batteries (2 x CR2032 as supplied) with their marked faces outwards, and screw the cap back on.
- If the batteries are in poor condition the  icon will flash during operation and new ones should be fitted.
 - Typical life of the batteries is 60 hours continuous use.

SWITCHING ON & OFF

1. Press the  button to turn the wrench on.
- The LCD panel will display all characters and after 2 seconds the display will show 0.00.
 - The wrench will be in **'TRACK'** mode, i.e., it will measure and display the actual torque detected.
3. To manually turn the wrench off, press and release the  button.
- If you do not use the wrench for 3-4 minutes it will turn off automatically.
4. Never turn the wrench off while force is applied.

DISPLAY LIGHTING

1. Press the button  for the display lighting to come on.
2. Press again to turn the lighting off.



HOW TO SET 'TRACK' OR 'PEAK'

1. Press and release the **M/u** button to exit **peak**, if **track** is preferred.
- The display can alternate between **peak** and **track** (track is the default mode and is not displayed).


HOW TO SELECT THE UNIT OF MEASUREMENT

1. Press and hold the **M/u** button for 2 secs.
- The display will scroll quickly through the available units of measurement. (N.m, lbs-in, lbf.ft and Kgf.m).
2. Release the **M/u** button when your required unit is shown.

HOW TO SELECT PRE-SET TORQUE SETTING

1. With the wrench in either **peak** or **track** mode, and the unit of measurement already chosen, press the **+** (**SEt** will flash briefly) the torque value is displayed with the first digit flashing.
2. Press the **+** within 5 seconds to increase the number until the required value is reached.
3. Press  to move to the right and select the number using the **+** button.
 - The target torque will display for 3 seconds, then revert to 0.00.
4. Press **M/u** to set the value.
5. Press and hold the  to clear the display and take another reading.
 - Again this will display for 3 seconds then revert to 0.00.

OPERATION

1. Place the square drive on to the socket or extension bar, perpendicular to the nut/bolt to be tightened. Smoothly tighten your fastening, applying an even pressure throughout the operation.
 - As the target torque setting is approached, the LED will flash and the alarm will bleep, before a continuous tone and light when the target torque is reached or exceeded.
 - If in **PEAK** mode, the red LED will light up and the alarm will bleep when the target torque is reached and the highest measured reading will be displayed and stored. Press the  to clear this reading before taking another measurement.

CARE OF THE WRENCH DURING USE

1. Take care not to drop the wrench on a hard surface and re-set the unit as described under MAINTENANCE & CALIBRATION, should it be subjected to sudden shock.
2. Take care not to damage the LCD display.
3. Never apply force with the torque wrench when the power is off. Always turn the unit on before using it.
4. For assured accuracy of the wrench, periodic self re-setting is necessary as described under MAINTENANCE & CALIBRATION.

5. Check that the wrench operating range is adequate for the anticipated load before proceeding. Do not exceed the maximum rating of the wrench (30Nm or equivalent units).
6. Re-set of the unit if you believe its capacity may have been exceeded.
7. Never use the wrench to undo bolts & nuts which may be excessively tight. Very tight nuts and bolts should be loosened with a standard wrench and the torque wrench used only for re-tightening.
8. Do not expose the wrench to extreme temperature, humidity or direct sunlight for extended periods.
9. Avoid using knuckle or universal joints, as these could possibly result in inaccurate torque readings.

STORAGE & CLEANING

1. Store in a clean, dry environment away from excess heat, humidity or dust.
2. If the wrench is not to be used for long periods of time it is advisable to remove the batteries to avoid the risk of leaking.
3. Clean by wiping the tool and the display with a soft cloth. Never immerse it in water or any type of solvent or cleaning fluid.

MAINTENANCE & CALIBRATION

The wrench has been calibrated at the factory order to ensure accurate readings and should not require any re-calibration. The original calibration certificate should be supplied.

If inaccuracy is suspected contact your local Clarke dealer.

To maintain the accuracy of the wrench periodically reset by holding the **M/u** and  buttons together.

Do not attempt to dismantle the wrench.

BATTERY USE AND CARE

If when switching on, there is no reading on the display, or the 'Battery Condition' indicator on the panel is empty, the batteries must be replaced.

Never combine used batteries with old ones or mix battery types.

Never use a battery if it is cracked or damaged.

Always dispose of old batteries appropriately. Never either dump or incinerate old batteries.

DECLARATIONS OF CONFORMITY

**UK
CA**

**Clarke[®]
INTERNATIONAL**

Hemnell Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following statutory requirement(s):

*Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012*

The following standards have been applied to the product(s):

*EN 61326-1:2021, IEC 62321-3-1:2013, IEC 62321-4:2013/AMD:2017, IEC 62321-5:2013,
IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-6:2015, IEC 62321-8:2017.*

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The UKCA mark was first applied in: 2023

Product Description: 1/4" Drive Digital Electronic Torque Wrench
Model number(s): PRO235
Serial / batch Number: N/A
Date of Issue: 17/01/2023

Signed:



J.A. Clarke
Director

PRO235 UKCA Clarke DOC 011723

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CE

**Clarke[®]
INTERNATIONAL**

Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

*2014/30/EU Electromagnetic Compatibility Directive
2011/65/EU Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment (RoHS) Directive*

The following standards have been applied to the product(s):

*EN 61326-1:2021, IEC 62321-3-1:2013, IEC 62321-4:2013/AMD:2017, IEC 62321-5:2013,
IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-6:2015, IEC 62321-8:2017.*

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2023

Product Description: 1/4" Drive Digital Electronic Torque Wrench
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Signed:



J.A. Clarke
Director

PRO235 CE Clarke DOC 011723

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