

CLARK®

Pro



1/2 DIGITAL TORQUE WRENCH

MODEL NO: PRO424

PART NO: 1700832

USER INSTRUCTIONS

UK
CA | CE



ORIGINAL INSTRUCTIONS

GC0326

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 it will give years of reliable service.

Features of the wrench include:

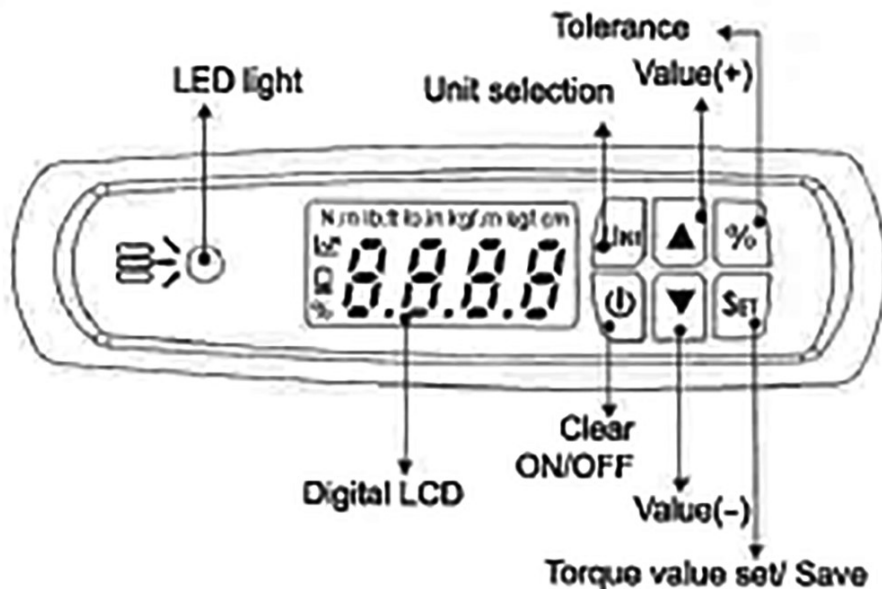
- LED Screen
- Audible/light Alarm (when pre-set target torque is reached)
- Auto Power-Off
- Target Torque Value Pre-set
- Low Battery Indication
- Direction switch
- Moulded Storage Case



SPECIFICATIONS

Model No	PRO424
Drive Shank Size	1/2"
Torque Range	34-340 Nm
Selectable Unit of Measurement	Nm, ib-in, ib-ft, kgf-cm & kgf-m
Torque Function in Both Directions	Yes
Accuracy	+/- 2%
Overall length	630 mm
Weight	1.75 kg
Batteries required	2 x AA
Battery life	60 Hr
Operating temperature	5-42°C (40-107F)

THE CONTROL PANEL



THE DISPLAY

- A LED light
- B Unit of measurement
- C Target Torque Indicator
- D Battery Condition Indicator
- E Real time' torque value display

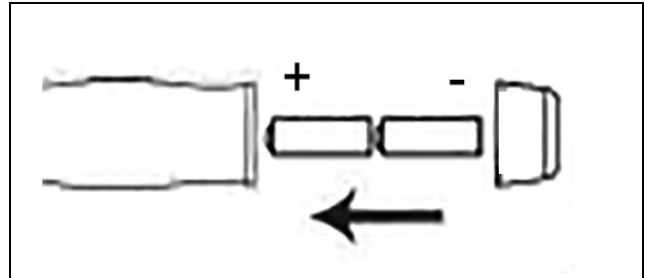
THE PUSHBUTTONS

1. Power ON/OFF button
2. Adjust value up
3. Adjust value down
4. Selection of unit measurement
5. Tolerance
6. Torque value set/save

PREPARATION FOR USE

INSTALLING THE BATTERIES (NOT INCLUDED)

1. Unscrew the end cap of the battery compartment by turning it anti-clockwise & insert two AA batteries as shown. Replace the end cap and the wrench is ready to use.



TURNING THE WRENCH ON /OFF

1. Press the **ON/OFF** button and hold momentarily to turn the device on.
 - The unit will beep and the display screen will momentarily light up.
2. Press the **ON/OFF** button again to turn the unit off.
3. Press the power button again prior to each new test.
 - The unit will power off if not used for 90 seconds.
 - The unit can be turned off manually by pressing **ON/OFF** for 5 seconds.

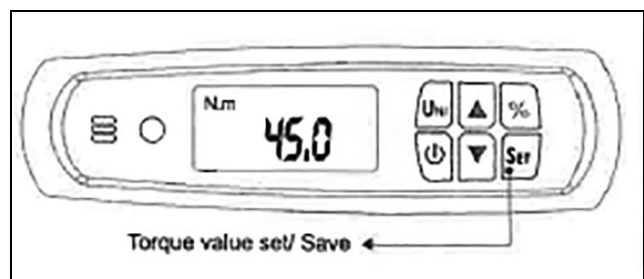
SELECTING THE UNIT OF MEASUREMENT

1. Press the **UNI** button to select "Unit of Measurement".
2. Select either N.m / lbf.ft / lbf.in / kgf.m.

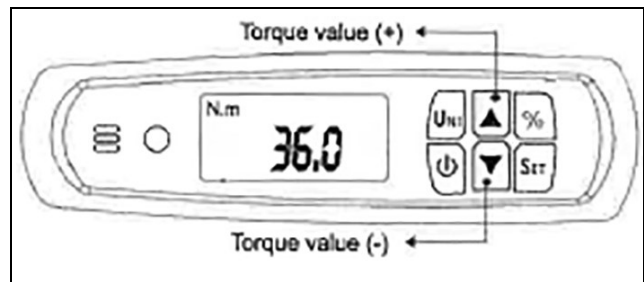
NOTE: If no buttons are pressed for 3 seconds the wrench will remain at the last unit of measurement selected and return to 'Measurement' mode.

SETTING THE TARGET TORQUE

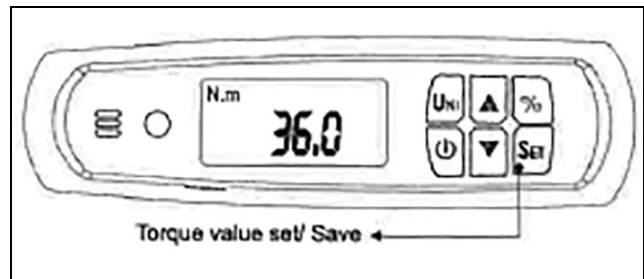
Without applying any torque, press **SET** to enter the torque value setting mode.



Press the **UP** or **DOWN** arrows to change the target torque.

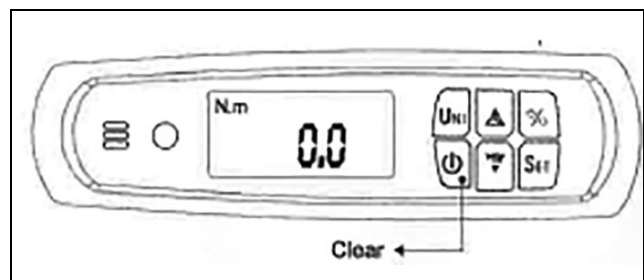


When the target value is reached, press **SET** to save the value.



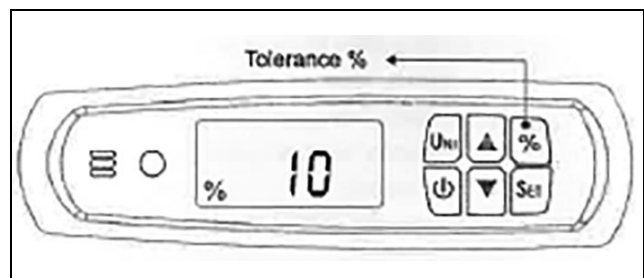
Press **ON/OFF** to exit without saving.

For an Auto-exit the unit will shut down without saving.

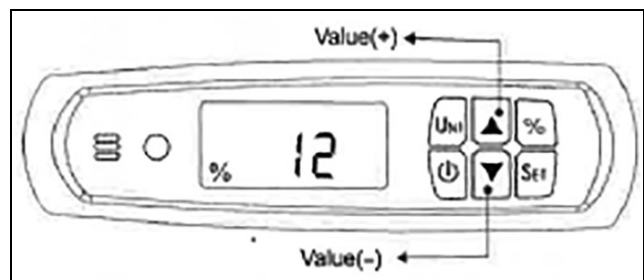


SETTING THE ALARM TOLERANCE

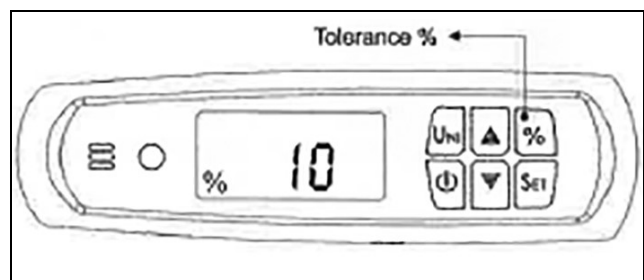
Without applying any torque, press the **%** button to enter the Tolerance Setting mode.



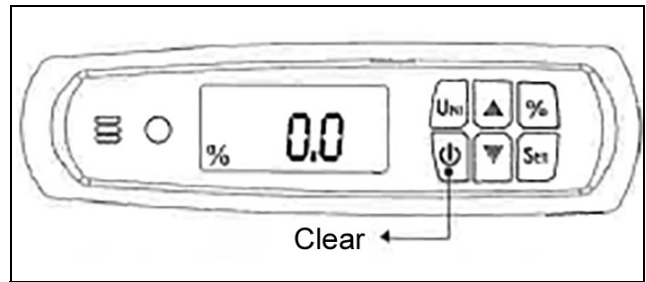
Press the **UP** or **Down** arrows to change the tolerance value.



When the desired tolerance value is reached, press **%** to save the value.



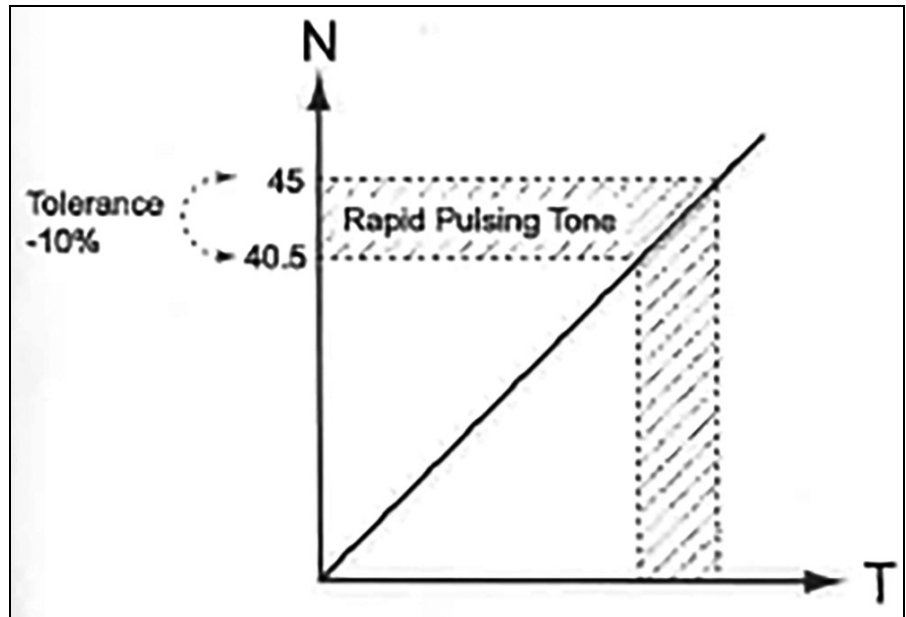
Press **ON/OFF** to leave without saving.
For an Auto-exit the unit will shut down without saving.



EXAMPLE

Set the torque value set to 45 N-m and the tolerance to -10%.

An alert tone will occur at 40.5 N-m. There will be a rapid pulsing tone to indicate the torque value is closing to the target value (45 N-m).



OPERATION AND USE



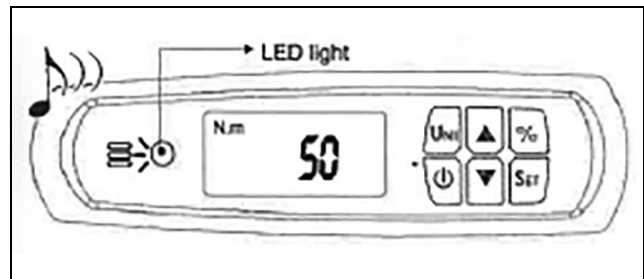
CAUTION: NEVER USE THE TORQUE WRENCH WHEN THERE IS A LOW BATTERY CONDITION AS THE ACCURACY WILL BE AFFECTED.

CAUTION: NEVER EXCEED THE PERMITTED MAXIMUM TORQUE VALUE FOR THIS WRENCH. OVERLOADING COULD CAUSE DAMAGE.

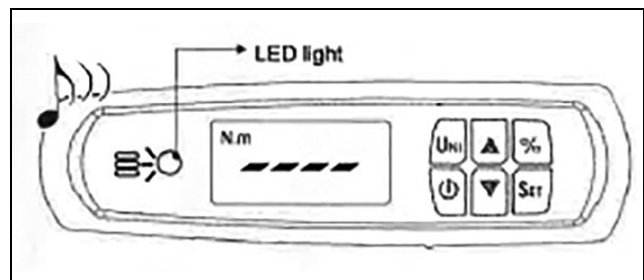
1. Select the socket required and attach it to the square drive. If possible, avoid the use of flexible extensions or universal joints which could possibly result in inaccurate torque readings.
2. Engage the nut or bolt and apply a steady pull with the wrench.

ALERT LIGHT & BUZZER (BEEP TONE)

When the applied torque reaches the target torque value the red LED will light up and the buzzer beep continuously. The LCD display should show the maximum applied torque for 15 seconds before indicating "0".



When the torque exceeds the wrench full-scale capacity the red LED will be on and the buzzer beep continuously. The display will show "-----".



- As the torque reaches the target value the handle will vibrate. This will stop when torque is no longer applied.

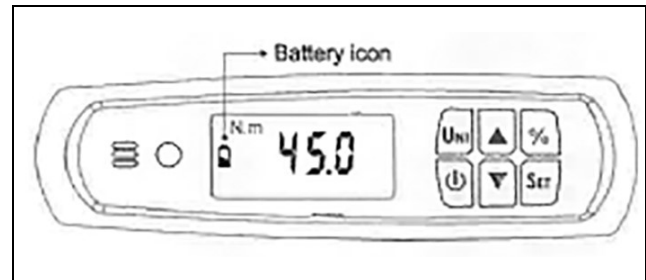
CARE OF THE TORQUE WRENCH DURING USE

1. Check that the wrench capacity is adequate for the anticipated load before proceeding and do not exceed the maximum torque setting for the wrench as stated in the Technical Specification.
2. **NEVER** apply force with the torque wrench when the power is off. Always turn the unit on before using it.
3. Take care not to damage the LCD display.
4. **NEVER** press the **ON/OFF** button to turn the wrench off while force is applied.
5. **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.

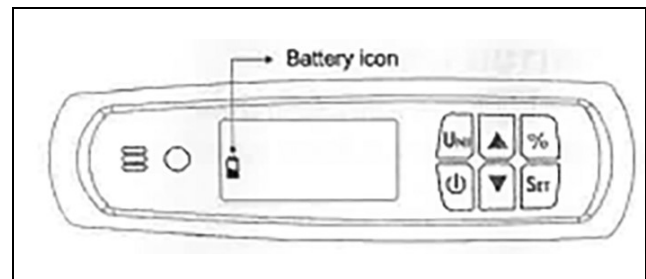
6. **DO NOT** expose the wrench to extreme temperature, humidity or direct sunlight for extended periods.

LOW BATTERY

When the battery capacity has 30% remaining the battery icon on the display will flash. The wrench is still usable but the battery will soon need replacing.



When battery capacity is only 10% remaining the display will show just the battery icon. The wrench is un-workable and the battery needs to be replaced immediately.



STORAGE

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 and resultant corrosion.

Store in a clean, dry environment away from excess heat, humidity or dust.

CLEANING

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

If further inaccuracy is suspected contact your local Clarke dealer.

DO NOT attempt to dismantle the wrench.

BATTERY USE AND CARE

1. The batteries must be replaced if, when switching on, there is no reading on the display or the 'Battery Condition' indicator on the panel is empty.
2. **NEVER** combine used batteries with old ones or mix battery types. **NEVER** use a battery if it is cracked or damaged and always dispose of old batteries appropriately. **NEVER** either dump or incinerate old batteries.

DECLARATION OF CONFORMITY-UK



Hemnall 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 legislation:

2014/30/EU *Electromagnetic Compatibility Directive*
2011/65/EU *Restriction of Hazardous Substances (RoHS) Directive*

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

*IEC 61000-4-2:2008, IEC 61000-4-3:2020, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-8:2017,
IEC 62321-4:2013+AMD1:2017, IEC 62321-7-1:2015, IEC 62321-7-2:2017, EN IEC 61326-1:2021,
IEC 62321-3-1:2013, IEC 61000-4-8:2009*

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: 2026

Product Description: Torque Wrench
Model Number(s): PRO424
Serial/Batch Number: Refer to product/packaging label
Date of Issue: 24/03/2026

Signed:

J.A Clarke

Director

DECLARATION OF CONFORMITY- CE



Clarke[®]
INTERNATIONAL

Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

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IEC 62321-4:2013+AMD1:2017, IEC 62321-7-1:2015, IEC 62321-7-2:2017, EN IEC 61326-1:2021,
IEC 62321-3-1:2013, IEC 61000-4-8:2009*

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 CE mark was first applied in: 2026

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Signed:

J.A Clarke

Director

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