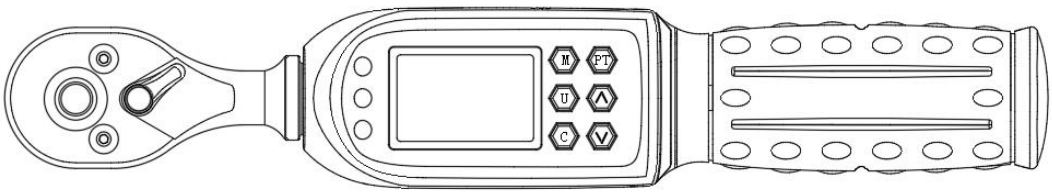
Digital Torque Wrench User & Maintenance Manual



1. Introduction to the Mini Digital Torque Wrench

The Mini Digital Torque Wrench is a compact, user-friendly, digital torque measurement and fastening tool. It features a digital display for torque readings, audible/visual alarms, and high durability. It is widely used in maintenance and repair scenarios for automobiles, motorcycles, and bicycles, as well as in workstations requiring higher fastening torque and inspection.

2. Features

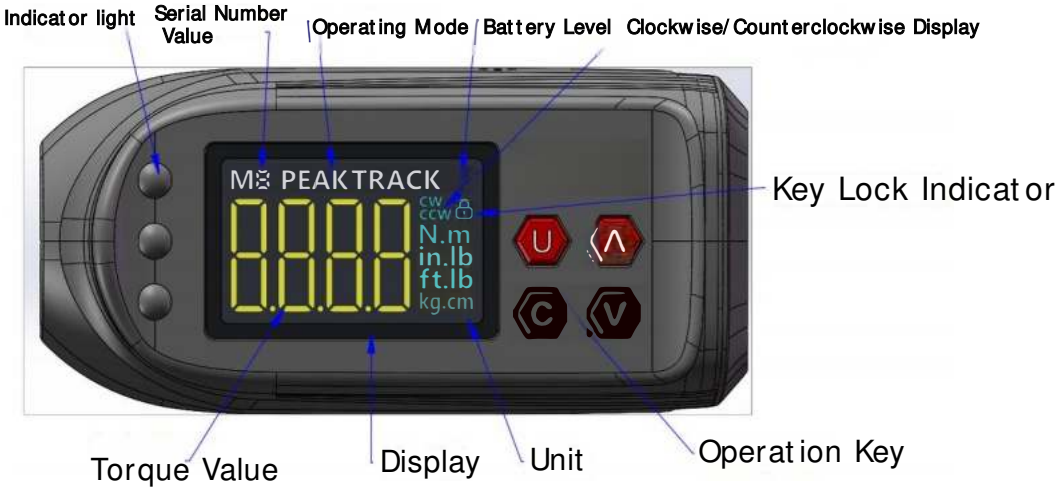
2.1 Digital torque value display. Operable in both clockwise (CW) and counterclockwise (CCW) directions, with the display indicating CW or CCW.
2.2 Auto power-off function: The wrench automatically turns off after 5 minutes of inactivity in standby mode (power saving feature).
2.3 Two operating modes: Tracking (TRACK) and Peak (PEAK), which includes a preset value mode.
2.4 Five unit selections: N.m, in.lb, ft.lb, kgf.cm, kgf.m.
2.5 Audible and visual operation indicators:

Torque ≥ 85% and < 90% of set value: One green LED blinks slowly, buzzer beeps with long intervals.
Torque ≥ 90% and < 100% of set value: Two green LEDs blink rapidly, buzzer beeps with short intervals.
Torque ≥ 100% of set value: All red LEDs stay lit constantly, buzzer sounds continuously.
2.6 Battery level indicator:

3 bars: Battery voltage > 2.85V
2 bars: Battery voltage 2.3V - 2.85V
1 bar: Battery voltage 2.1V - 2.3V
When voltage < 2.1V, the battery icon flashes, indicating low voltage may affect torque accuracy. Replace batteries ASAP.
2.7 Overload error display: If operated beyond 120% of maximum range, the sensor may plastically deform. To ensure accuracy, the wrench must be returned to the factory for recalibration or sensor replacement. Thereafter, "ErO" will be displayed briefly upon each power-on before normal operation. This warning is cleared after factory recalibration.

3. Operation

3.1 Interface Diagram:



3.2 Basic Key Operations:

3.2.1 Press the {C}button to turn ON. When powered on, press {C}again (display shows - - - -) to perform a Tare/Zero function. Press and hold {C} for 2 seconds to power OFF.

3.2.2 Press the P/T button to switch the current operating mode: Tracking (TRACK) and Peak (PEAK).

3.2.3 Press the U button to cycle through the current units: N.m, in.lb, ft.lb, kgf.cm, kgf.m. The value automatically converts equivalently.

3.2.4 Anti-misoperation Lock Function: Press and hold the M button (over 1 second) until the display shows "LOCK" and the icon appears. This indicates Lock Mode is active. All buttons (except C) are disabled; pressing them may show - - - -. Press and hold M again (over 1 second) until "UNLT" is displayed and the icatin the lo normally.

3.2.5 Data Mode: Press and hold the {U} button to enter Data Mode. Press the {V} (Down) or {Λ} (Up) buttons to cycle through functions: {dAt} (Data Query) and {CLA} (Data Clear). Press the{M} button to enter the selected function.

3.2.6 {dAt} (Data Query): In this mode, the sequence number and recorded value alternate on the display. Press the {V} or {Λ}buttons to scroll through the last 500 sets of peak value records (most recent record is #1). When exceeding 500 records, the newest data overwrites the oldest.

3.2.7 {CLA} (Data Clear): In this mode, press the M button to clear all saved data records. Subsequent data queries will display - - - -.

3.2.8 Preset Value Adjustment (8 groups): Briefly press the {M} button. The number following "M" in the upper left corner indicates the current preset number. In this state, directly press the {V}or {Λ} buttons to adjust the torque value. The adjusted value is saved automatically for the current preset number.

3.2.9 Peak Mode (PEAK): In this mode, after each operation, the peak value flashes continuously. Press the {C}button to save the torque value (and exit to the preset value display). Increasing torque without pressing {C}does not save the value.

4. Important Notes

4.1 Do not disassemble the digital torque wrench yourself. Unauthorized disassembly may compromise its factory calibration and accuracy.
4.2 Do not use the wrench for operation while it is powered off.
4.3 Use only within the specified torque measurement range for your wrench model.
4.4 Calibrate the product regularly (Calibration cycle: Every 5,000 cycles or at least once per year) to ensure accuracy.
4.5 Replace the batteries when the battery level is low.

Technical Support

raredisen@163.com

For any product issues,please contact us immediately.
Our DISEN professional customer service team is ready to assist you.
Thank you for your peuchase.