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**IST-1WA SERIES  
DIGITAL TORQUE WRENCH  
OPERATION MANUAL**



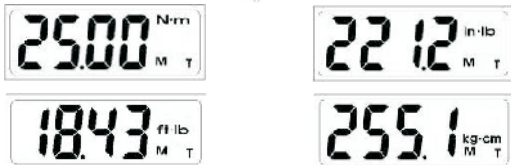
### Maintenance

- 1 Do not shake violently or drop wrench.
- 2 Do not leave this wrench in any place exposed to excessive heat, humidity, dust, sand or direct sunlight.
- 3 Do not use organic solvents, such as alcohol or paint thinner when cleaning the wrench.
- 4 When the wrench is not used for an extended period of time, remove the battery, apply antirust oil on the exposed metal part, put the wrench in box for storing.

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5 Select the unit:

In the initial interface, press  to select the unit.



6 Display mode:


- ◆ Support target torque display mode and angle display mode.
- ◆ Target torque value will also display in the angle mode.

7 Set torque value:

In the initial interface, press up and down button.

**Note:** Target torque value or angle value can be set, with audible and visible alarm: 8 green LED light on and buzzer sounds when target torque or angle value is approached. 4 red LED light on and buzzer sounds when target torque or angle value is reached.

8 Peak & track mode:

- ◆ In the initial interface, long press  then appearing the following picture.




- ◆ Press up and down button to select peak or track mode. Peak mode means after used the wrench the screen will display and hold the peak value; Track mode means the screen will display current value.



Peak mode




Track mode

- ◆ After selected, press  until back to the initial interface.



Attention

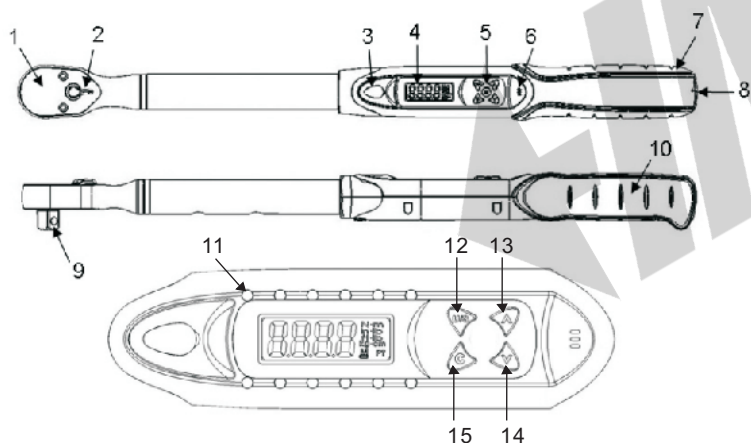
- ◆ Don't use the wrench as a hammer.
- ◆ Don't use the wrench in water.
- ◆ Over-torque (105% max. torque range) could cause damage or lose accuracy. If  is appeared, that means this wrench has ever been applied more than 110% torque of maximum range.
- ◆ The accuracy of the readout is guaranteed from 20% to 100% of maximum range.

## Description

### 1 Function features:

- ◆ Clockwise and anticlockwise operation.
- ◆ Set the desired torque first. After reaching the desired torque, set the angle and turn the wrench at this angle to apply extra torque.
- ◆ Unit: N.m, in.lb, ft.lb, kg.cm.
- ◆ Peak and track working mode.
- ◆ Target torque value or angle value can be set, with audible and visible alarm: 8 green LED light on and buzzer sounds when target torque value or angle value is approached. 4 red LED light on and buzzer sounds when target torque value or angle value is reached.
- ◆ Power off automatically in 5 minutes without any operations.
- ◆ Non-slip grip handle.
- ◆ With record if the wrench fell in the water.
- ◆ With overload record (once the torque reaches 110% of the maximum range).
- ◆ With certificate of inspection.

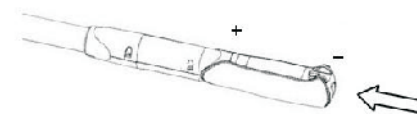
### 2 Structure:



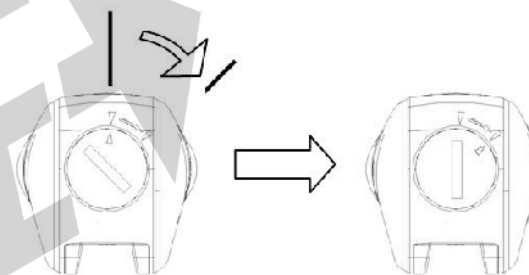
- 1 Reversible ratchet head 2 Direction lever 3 Calibration port 4 LCD display  
 5 Buttons 6 Buzzer 7 Battery compartment 8 Battery cover 9 Ratchet drive  
 10 Handle 11 LED indicator 12 Unit/Setting button 13 Up button 13 Down button  
 14 Power on/Clear button

## Operation

### 1 Inserting the batteries:



Insert two AA batteries



Open the battery cover

Close the battery cover

### 2 Turn on and initialize:

- ◆ Press **C** to turn on.
- ◆ After turn on the wrench, press **C** to initialize.

**Note: When turning on and initializing the wrench, don't exert force.**

### 3 Reset the wrench:

- ◆ If the wrench working abnormal, press **C** and up button at the same time for resetting the wrench.

### 4 Low battery indicator:

- ◆ When the battery is low, the screen displaying the sign as shown and it will power off in a few seconds.

