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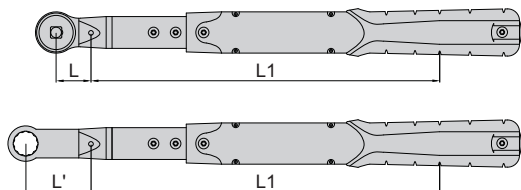
**IST-2WA SERIES
INTERCHANGEABLE HEAD
DIGITAL TORQUE WRENCH
OPERATION MANUAL**



Attention

- ◆ Don't use the wrench as a hammer.
- ◆ Don't use the wrench in water.
- ◆ Over-torque (110% max. torque range) could cause damage or lose accuracy. If E_r 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.
- ◆ torque value needs to be corrected if length L is different when head is changed.

Formula: $T = T' \times (L' + L1) / (L + L1)$



T: the torque need to be set on screen
 T': the actual torque applied to nut or bolt
 L: the standard length of the wrench head
 L': the length of the new wrench head
 L1: the length of the arm

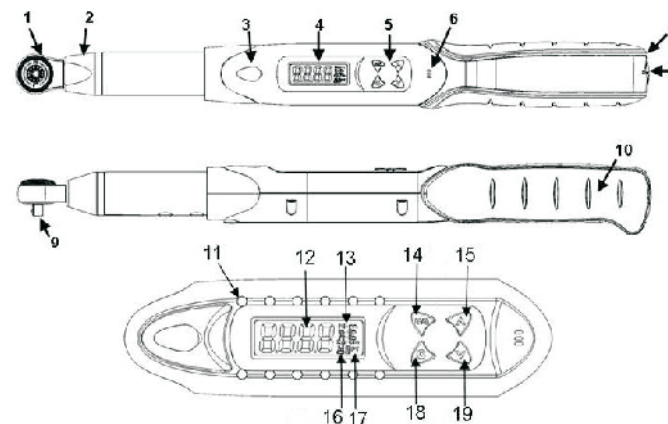
Code	L	L1
IST-2W30A	29mm	272.7mm
IST-2W135A	29mm	287.7mm
IST-2W200A	40mm	381.2mm
IST-2W340A	40mm	501.2mm

Description

① Function features :

- ◆ Clockwise and anticlockwise operation.
- ◆ Unit: N.m, in.lb, ft.lb, kg.cm.
- ◆ Peak and track working mode.
- ◆ Target torque value can be set, with audible and visible alarm: 8 green LED light on and buzzer sounds when target torque value is approached. 4 red LED light on and buzzer sounds when target torque 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.

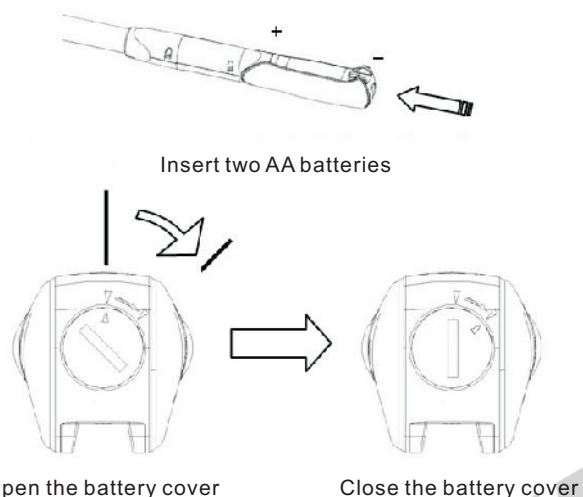
② Structure:



- 1 Reversible ratchet head 2 Connection slot 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 torque value 13 Unit 14 Unit/Setting button
- 15 Up button 16 Setting symbol 17 Peak/Track mode
- 18 Power on/Clear button 19 Down button

Operation

1 Inserting the batteries:



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.



5 Select the unit:

In the initial interface, press **US** to select the unit.



6 Set torque value:

In the initial interface, press up and down button.

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

7 Peak & track mode:

- ◆ In the initial interface, long press **US** 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 **US** until back to the initial interface.



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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