

IST-42WA SERIES

IST-42WA SERIES BUILT-IN WIRELESS DIGITAL TORQUE WRENCHES (KEYBOARD SIGNAL) OPERATION MANUAL



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EN -- Please scan the QR code or visit the website for operation manual.

IT --- Scansiona il codice QR oppure visita il sito web per il manuale d'uso.

CZ -- Pro návod prosím naskenujte QR kód nebo navštivte webovou stránku.

ES -- Por favor, escanee el código QR o visite la página web para ver el manual de instrucciones.

FR -- Veuillez scanner le QR Code ou visiter notre site web pour accéder aux manuels d'utilisation.

DE -- Bitte scannen Sie den QR-Code oder besuchen Sie die Website für die Bedienungsanleitung.

PT -- Para aceder ao manual de instruções, por favor, faça a leitura do código QR ou visite o nosso site.

MN-IST-42WA Series-E

V0

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 ErE 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:

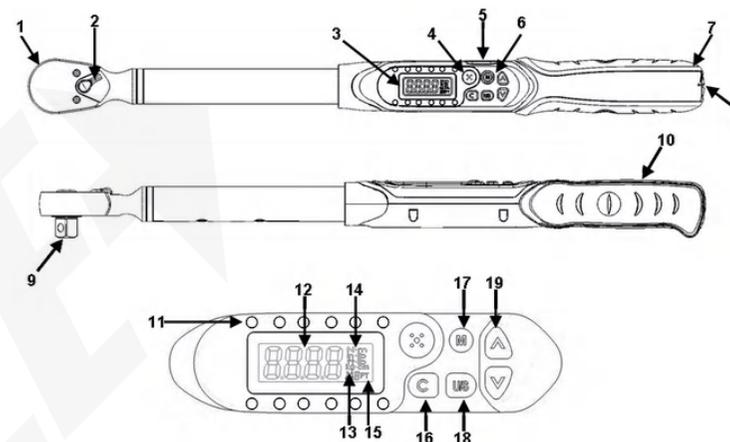
Torque wrench:

- Clockwise and counter-clockwise operation
- Peak and track working mode
- Upper and lower tolerance limits can be set to determine pass or fail by LED lights, can set whether to send beyond tolerance limits
- 10 preset target torque values and usage modes, parameters can be locked to prevent change
- With audible and visible alarm:
 - Green LED light on in sequence and buzzer sounds louder and louder when torque value is 80%~99.5% of target torque
 - Both green and red LED light on and buzzer sounds long-lasting alarm when torque value is over 99.5% of target torque
- Measurement results automatically calculate % difference from target value
- Memory of 2000 results for browsing on the wrench
- Counting function, over 20% of the range counts once
- Auto power off time can be set
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

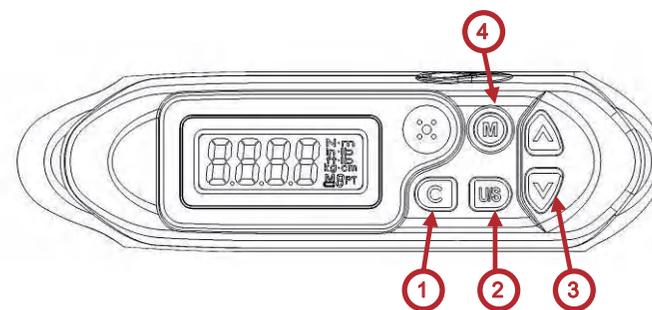
Data transmission:

- Measurement results can be sent manually by pressing the M button or sent automatically after measurement
- Built-in wireless data transmission module, which can be connected with computers, mobile phones, tablets and other devices
- Keyboard signal, can be transmitted to Excel, Word, Txt, etc.
- Transmission distance is 10m (under the condition of no obstruction and no electromagnetic interference)
- Optional accessory: receiver (code 7315-2/3/6/7/8/9)

2 Structure:



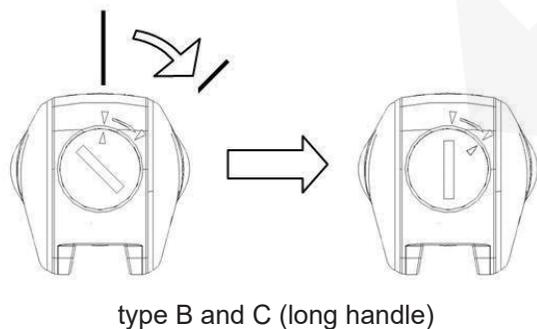
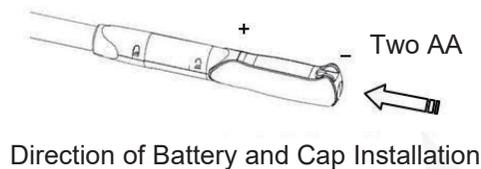
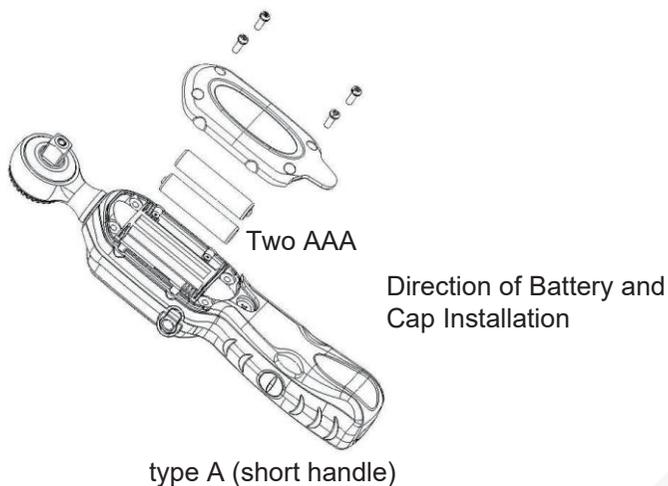
1. Reversible Ratchet Head 2. Direction Lever 3. LCD Readout 4. Buzzer
 5. Communication Port 6. Buttons 7. Battery Compartment 8. Battery Cap
 9. Ratchet Drive 10. Anti-slip Handle 11. LED Indicator 12. Torque Value
 13. Pre-setting number 14. Units 15. P (Peak Hold) / T (Track) Mode
 16. Power On/Clear 17. Pre-setting switch/save/data transmission Button
 18. Unit/Setting Button 19. Up/Down Button



- ① Power On/Clear ③ Up/Down Button
 ② Unit Selection/Setting ④ Pre-Setting No.

Operation

1 Inserting the batteries:



2 Turn on and initialize:

- ◆ To power on the digital torque wrench, please keep the ratchet head force free, and then press **[C]** to power it on.
- ◆ After power on, auto zero-reset will be processed.
- ◆ After starting, press **[C]** to zero-reset again.
- ◆ In torque mode, a default target value will show on LCD.

Note: If **Er0** appeared during power-on, it means this wrench has been applied more than 110% of maximum torque.

3 Auto power off:

- ◆ The wrench will auto power off after about 2 minutes idle for power saving. Press **[C]** to power on the wrench again.
- ◆ Press and hold **[C]** to turn off the power of the wrench.

4 Zero reset:

- ◆ Better Zero-reset improves the measuring accuracy. To get higher accuracy, please do Zero-reset carefully before each measuring.
- ◆ After power on, **[C]** button used for zero reset.
- ◆ In torque mode, if an external force is applied to the torque wrench during zero-reset period, an initial torque offset error will occur.

5 Reset the wrench:

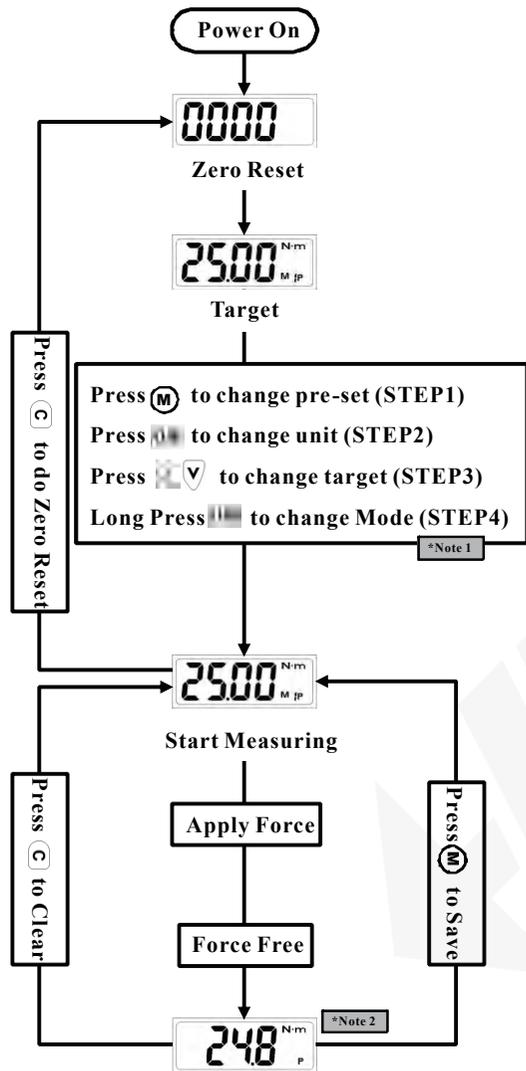
- ◆ If the wrench does not function normally, please go through the reset process to reset the wrench.
- ◆ To reset the wrench, loosen the battery cap then tighten it to restart. After reset, remember to press **[C]** to power it up again.

6 Low battery indicator:

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

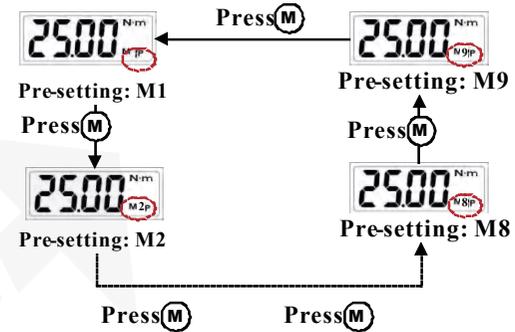


Operation

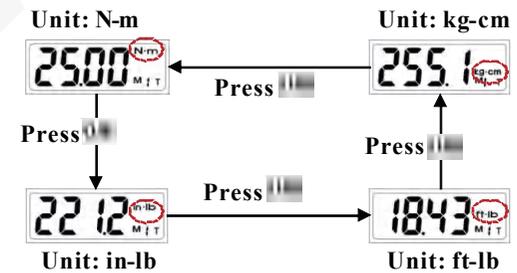


Note1: Long Press **(H)** to enter wrench setup.
Note2: Only Peak Mode keep peak torque for save and data transmission.

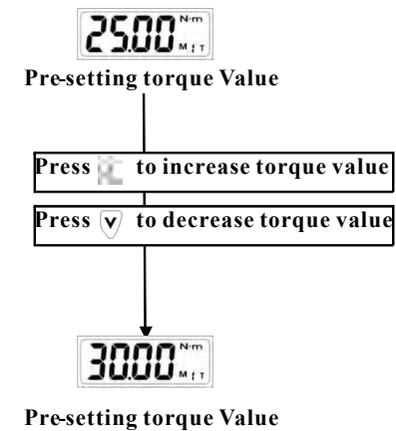
◆ Step 1: Pre-setting NO.



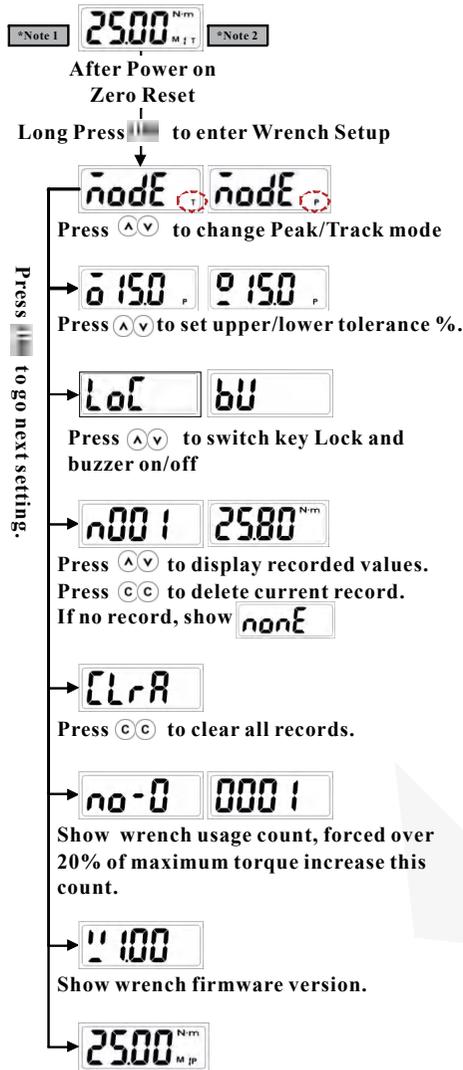
◆ Step 2: Unit selection



◆ Step 3: Set torque value

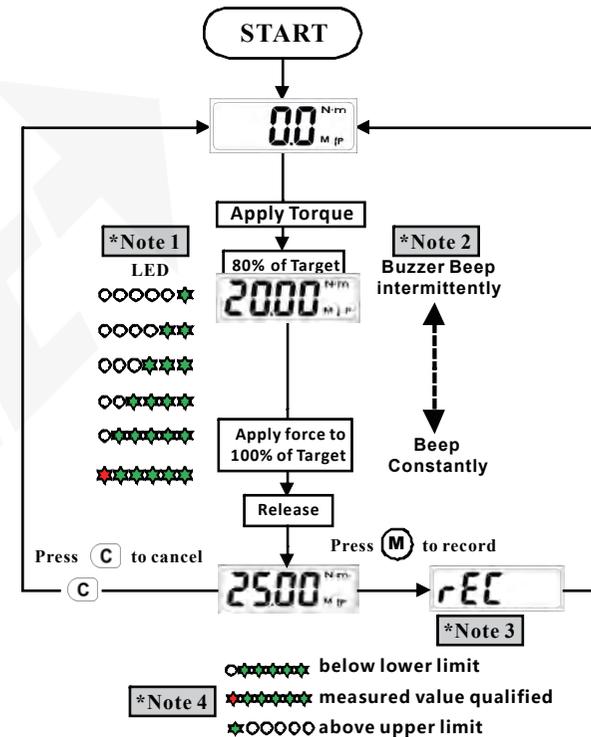


◆ Step 4: Peak Hold/Track mode selection (Wrench Setup)



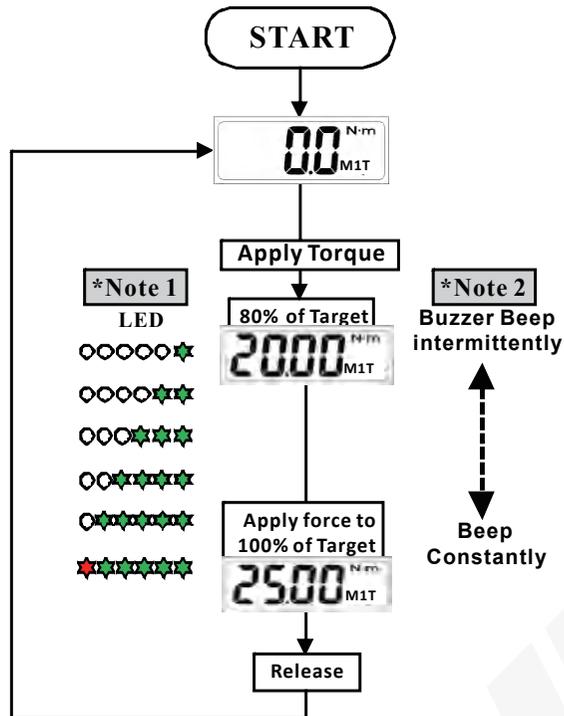
Note1: After Power on Zero Reset.
Note2: During measuring and before apply force.

◆ Peak mode operation



Note1: From 80%~99.5% of target, LED turn on one by one to all LED on.
Note2: From 80%~99.5% of target, buzzer beep intermittently to constantly.
Note3: If wireless is connected, press and the wrench will attempt to transmit the measurement to the computer.
Note4: If the lower limit is not reached, 5 green LED lights are on, which means it is unqualified. If it exceeds the upper limit, 1 red LED will be on, which means it is unqualified.

◆ Track mode operation



Note1: From 80%~99.5% of target, LED turn on one by one to all LED on.

Note2: From 80%~99.5% of target, buzzer beep intermittently to constantly.

Keyboard signal output

After wirelessly connecting the wrench to the device, operate in Peak Mode and press the M key (or set automatic transmission) to send measurement values to Excel in real time. If upper and lower limits are set, data exceeding these limits will not be output.

Notes:

For detailed data transmission methods, refer to the 7315 Data Transmission Manual.

Maintenance and storage



ATTENTION:

One-year periodic recalibration is necessary to maintain accuracy. Can be calibrated using our torque wrench tester.

1. Over-torque (110% of Max. torque range) could cause breakage or lose accuracy.
2. Do not shake violently or drop wrench.
3. Do not use this wrench as a hammer.
4. Do not leave this wrench in any place exposed to excessive heat, humidity, or direct sunlight.
5. Do not use this apparatus in water.(not waterproof)
6. If the wrench gets wet, wipe it with a dry towel as soon as possible. The salt in seawater can be especially damaging.
7. Do not use organic solvents, such as alcohol or paint thinner when cleaning the wrench.
8. Keep this wrench away from magnets.
9. Do not expose this wrench to dust or sand as his could cause serious damage.
10. Do not apply excessive force to the LCD panel.
11. Apply torque slowly and grasp the center of the handle. Do not apply load to the end of handle