

IST-17WA SERIES

# IST-17WA SERIES WIRED TRANSMISSION 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-17WA Series-E

V0

**Attention**

1. Do not use the wrench as a striking tool.
2. Do not use the wrench under water.
3. Using a wrench with a torque that exceeds 5% of the range may result in damage to the wrench or inaccuracy.
4. If the X screen appears, the wrench has been used with a force exceeding 10% of the range.
5. Accuracy is guaranteed between 20% and 100% of the maximum measured value.

**Description**

**1 Main features:**

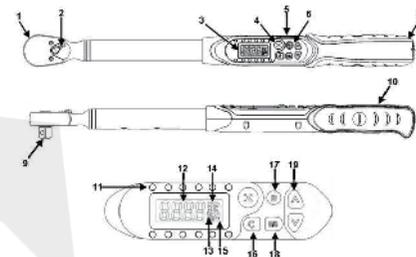
**Torque wrench:**

- Unit: N.m, in.lb, ft.lb, kg.cm
- Clockwise and counter-clockwise operation
- Peak and track working mode
- Can set tolerance with judgement in peak working mode
- 9 target torque values can be set, with audible and visible alarm:
  - Green LED light on and buzzer sounds when torque value is 80%~99.5% of target torque
  - Both green and red LED light on and buzzer sounds when torque value is over 99.5% of target torque
- Power off in 2 minutes automatically
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

**Data transmission:**

- Keyboard signal through a cable, can be transmitted to Excel, Word, Txt, etc
- Press the output button once to output a value

**2 Structure:**



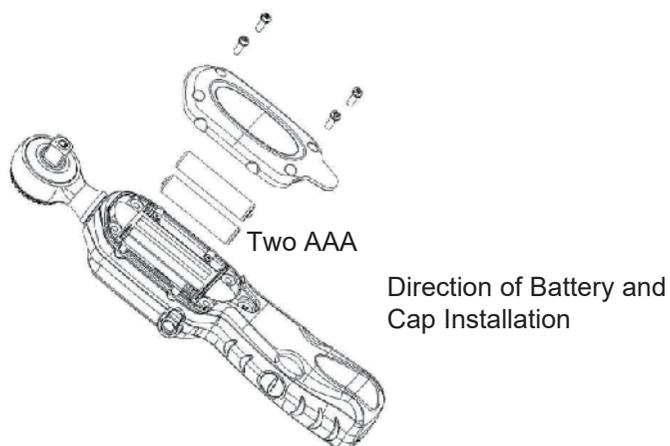
- |                            |                                     |
|----------------------------|-------------------------------------|
| 1. Reversible Ratchet Head | 11. LED Indicator                   |
| 2. Direction Lever         | 12. Torque Value                    |
| 3. LCD Display             | 13. Pre-setting Index               |
| 4. Buzzer                  | 14. Units(N.m, ft-lb, in-lb, kg-cm) |
| 5. Communication Port      | 15. Peak/Track Mode                 |
| 6. Buttons                 | 16. Power/Zero Reset/Clear Button   |
| 7. Battery Compartment     | 17. Pre-set Switch Button           |
| 8. Battery Cap             | 18. Unit/Setting Button             |
| 9. Ratchet Driver          | 19. Up/Down Button                  |
| 10. Anti-slip Handle       |                                     |

**Maintenance**

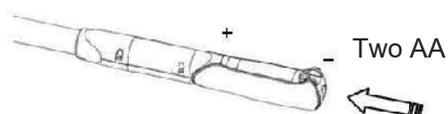
1. Do not shake or drop the wrench violently.
2. Do not place the wrench near high temperatures, high humidity, dust and gravel.
- 3 Do not use organic solvents to clean the wrench, such as alcohol, paint thinner, etc.
4. When not in use for a long time, put the wrench into the box for proper storage.

**Operation**

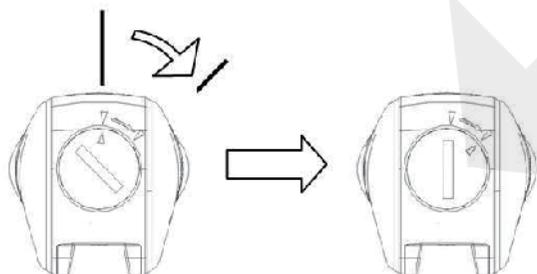
**1 BATTERY INSTALLATION**



type A (short handle)



Direction of Battery and Cap Installation



type B (long handle)

**2 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.

**CAUTIONS:**

During communication, the auto power-off function is disabled temporarily.

**3 POWER ON AND AUTO ZERO RESET**

1. To power on the digital torque wrench, please keep the ratchet head force free, and then press **C** to power it on.
2. During power on, a zero-reset for torque will be proceeds.
3. In torque mode, a default target value will show on LCD.



**ATTENTION:**

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

**4 RESET THE WRENCH**

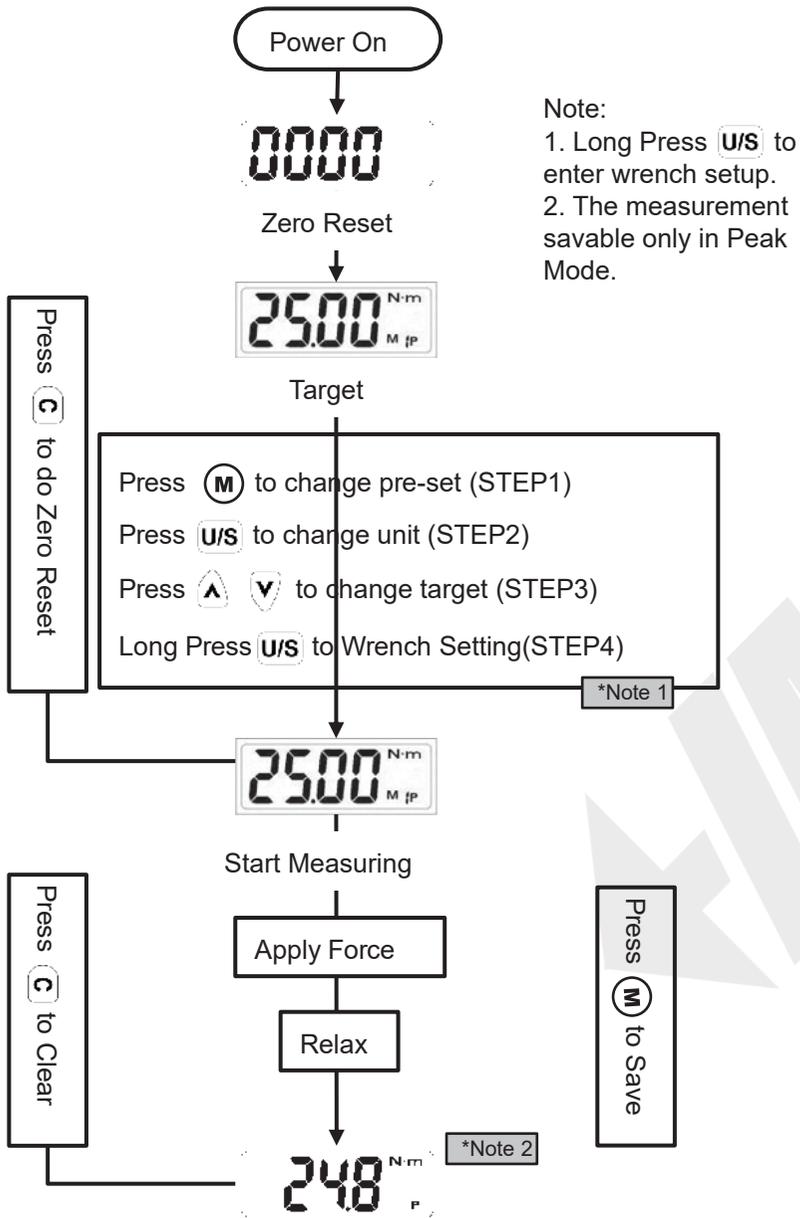
1. If the wrench does not function normally, please go through the reset process to reset the wrench.
2. To reset the wrench, loosen the battery cap then tighten it to re-start. After reset, remember to press to **C** power it up again.

**5 LOW VOLTAGE INDICATOR**

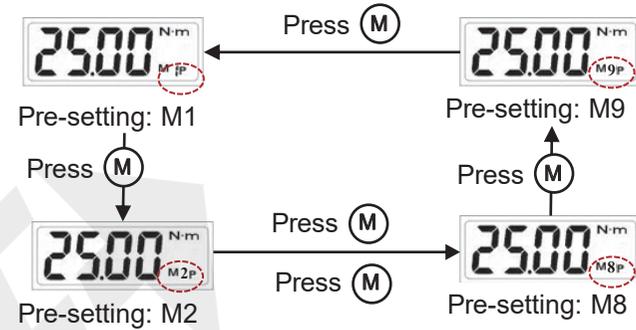
If the battery voltage is too low, the wrench will display a battery symbol. Please replace batteries immediately.



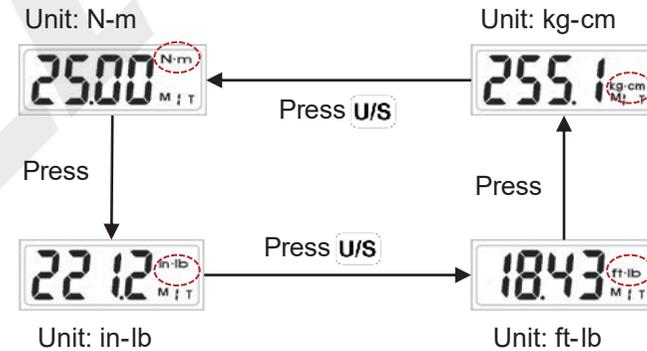
6 MAIN OPERATION FLOW



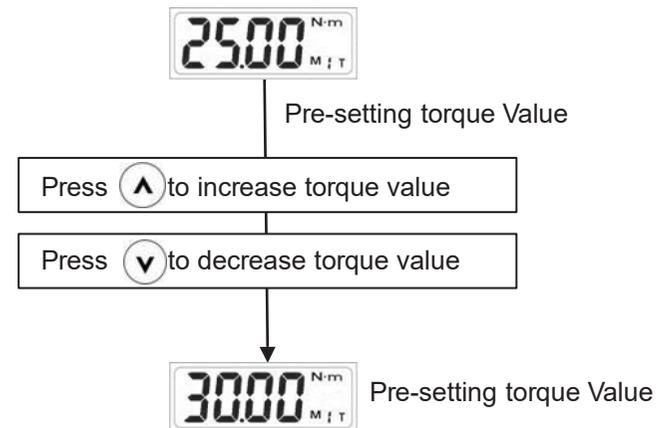
STEP1: PRE-SETTING NO.



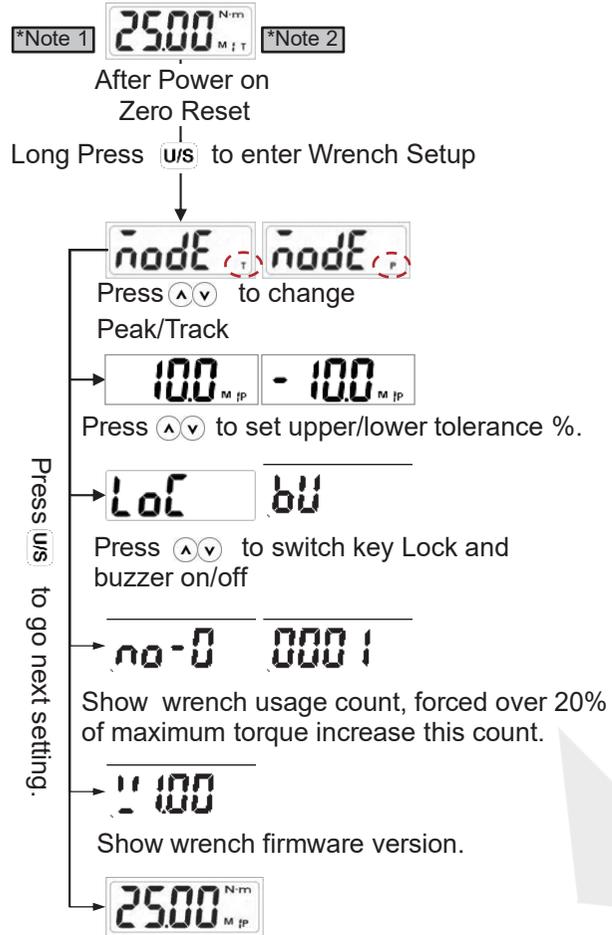
STEP2: UNIT SELECTION.



STEP3: SET TORQUE VALUE

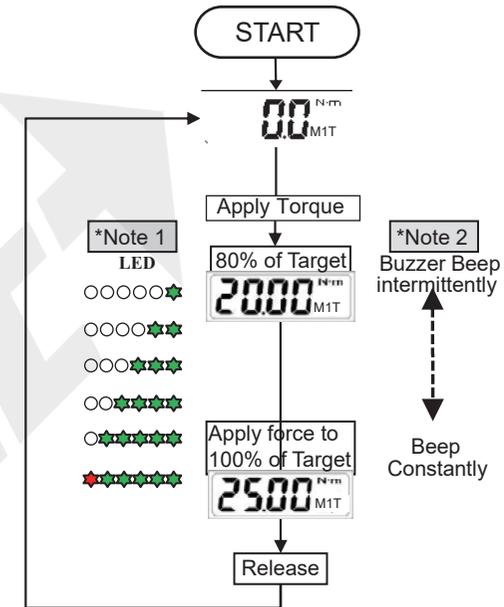


**STEP4: PEAK HOLD/TRACK MODE SELECTION (WRENCH SETUP)**



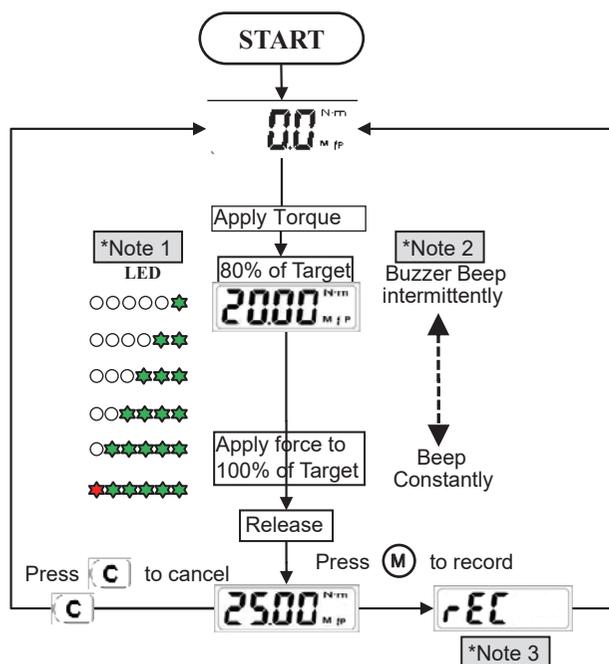
- Note:
1. After Power on Zero Reset.
  2. During measuring and before apply force.

**◆ TRACK MODE OPERATION**



- Note:
1. From 80%~99.5% of target, LED turn on one by one to all LED on.
  2. From 80%~99.5% of target, buzzer beep intermittently to constantly.

◆ PEAK MODE OPERATION



- Note:
1. From 80%~99.5% of target, LED turn on one by one to all LED on.
  2. From 80%~99.5% of target, buzzer beep intermittently to constantly.
  3. If the data cable is connected, pressing the M key wrench will attempt to transfer the measurement to the computer.
  4. If the lower limit is not reached, 5 green LEDs will light up to indicate a failure.
  5. If the upper limit is exceeded, 1 red LED lights up to indicate failure.

Keyboard Signal Output

After turning off the wrench power, connect the optional data cable to the USB port of the computer and the wrench transmission hole, then turn on the wrench power. Press the M key in the peak mode of the wrench to transfer the measured values to EXCEL in real time. If the upper and lower limits are set, data exceeding the upper and lower limits will not be output.

SPECIFICATION

Code	IST-17W06A	IST-17W12A	IST-17W20A
Type			
Range	1.2~6N.m	2.4~12N.m	4~20N.m
Accuracy	clockwise: ±2% counter-clock wise: ±3%		
Tolerance setting range	-20%~+20% (target torque value)		
Resolution	0.001N.m	0.01N.m	0.01N.m
Square driver (L)	1/4"	1/4"	1/4"
Power supply	2×AAA battery		
Length	215mm	215mm	215mm
Weight	750g	750g	750g

Code	IST-17W30A	IST-17W135A	IST-17W200A	IST-17W340A
Type				
Range	6~30N.m	27~135N.m	40~200N.m	68~340N.m
Accuracy	clockwise: ±2% counter-clock wise: ±3%			
Tolerance setting range	-20%~+20% (target torque value)			
Resolution	0.01N.m	0.1N.m	0.1N.m	0.1N.m
Square driver (L)	1/4"	3/8"	1/2"	1/2"
Power supply	2×AA batteries			
Length	390mm	415mm	530mm	650mm
Weight	760g	940g	1340g	1540g

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
Transmission cable (keyboard signal)	IST-HID-CABLE*
Transmission cable (serial port signal)	7305-IST*

\*Torque wrench must be equipped with an optional transmission cable to enable data transmission