

IST-WP SERIES

IST-WP SERIES SMALL RANGE DIGITAL TORQUE WRENCH 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.

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

MN-IST-WP Series-E

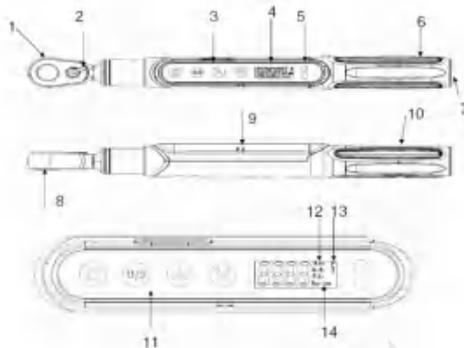
V0

Main Function

- ◆ Digital torque value readout
- ◆ +/-3% accuracy
- ◆ CW and CCW operation
- ◆ Peak hold and Track mode selectable
- ◆ Buzzer and LED indicator for the pre-settable target torque
- ◆ Engineering units (cN-m, ft-lb, in-lb, kg-cm) selectable
- ◆ Auto power off after about 5 minutes idle
- ◆ Recharge batteries are compatible

Description

Structure:



- 1 Reversible ratch head 2 Direction lever 3 Communication port
 4 LCD readout 5 LED Indicator 6 Anti-slip Handle 7 Battery Cover
 8 Ratchet driver 9 Buzzer 10 Calibration mark
 11 Buttons 12 Torque Value 13 Units 14 Peak/Track Mode

Specification

- 1 Working Condition:
 Operation temperature: -10°C~60°C
 Store temperature: -20°C~70°C
 Humidity: Can reach 90% if no condensation

2 Parameter

Code	IST-WP6	IST-WP12	IST-WP20
Range	1.2~6N.m	2.4~12N.m	4~20N.m
Accuracy	clockwise	±3%	±3%
	counter-clockwise	±4%	±4%
Resolution	0.001N.m	0.01N.m	0.01N.m
Square driver (L)	1/4"	1/4"	1/4"
Power supply	1×AAA battery		
Length	260mm	260mm	260mm
Weight	430g	430g	430g

Note:

1. The accuracy of readout is guaranteed from 20%-100% of maximum range +/-1 increment. The torque accuracy is a typical value. Calibration point is on the rubber grip. For keeping the accuracy, calibrate the wrench for a constant period time(1 year).
2. One cycle means swing the torque wrench from 0 N.m to maximum range and back to 0 N.m.
3. Horizontal and vertical test.
4. Environmental test: a. Dry heat b. Cold c. Damp heat
 d. Change of temperature e. Impact(Shock)
 f. Vibration g. Drop
5. Electromagnetic compatibility test:
 - a. Electrostatic discharge immunity (ESD)
 - b. Radiated susceptibility (RS)
 - c. Radiated emission (RE)

Before using the wrench

Battery installation:

- ◆ Remove the battery cap.
- ◆ Insert one AAA battery matching the +/- polarities of the battery to the battery compartment.

- ◆ Put on the battery cap and fasten it tightly according to the following figures.



Power on and resetting the wrench

- ◆ Press **C** to power on the digital torque wrench.
- ◆ Usually press **C** to reset the digital torque wrench before using it.



Attention: If an external force is applied to the torque wrench during power-on period, an initial torque offset will be recorded in the memory.

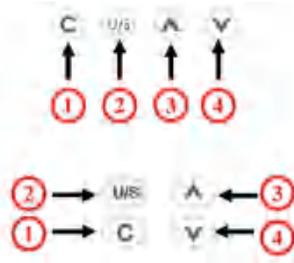
Auto power off:

- ◆ The wrench will auto power off after about 5 minutes idle for power saving. Press **C** to power on the wrench again.
- Cautions: During communication period([Send]appears), the auto power off function is disabled.

Resetting the wrench:

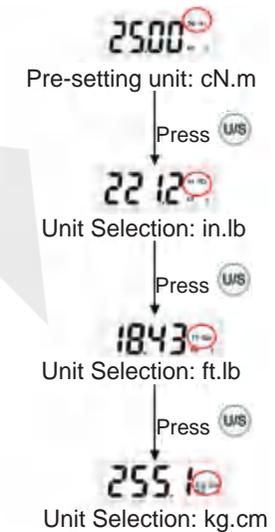
- ◆ If the wrench does not function normally, loosen the battery cap then tighten it to re-start.

Setup:



- ① Power On/Clear
- ② Unit Selection/Setting
- ③ Adjust Torque Value Up
- ④ Adjust Torque Value Down

① Step 1: Unit selection

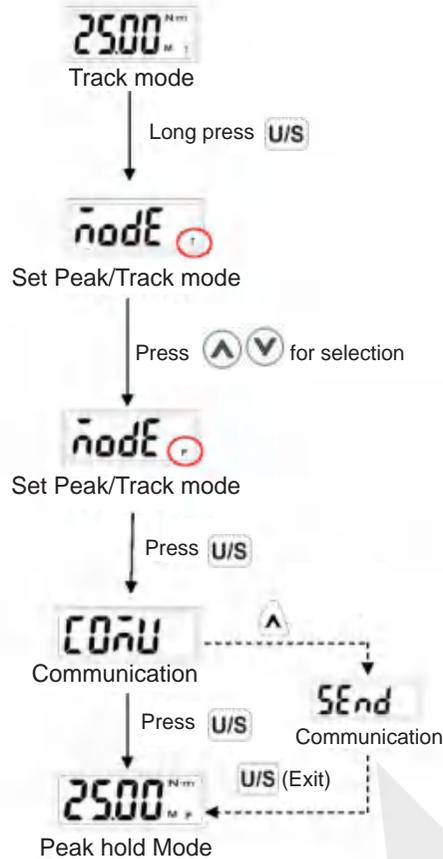


② Step 2: SET Target Torque



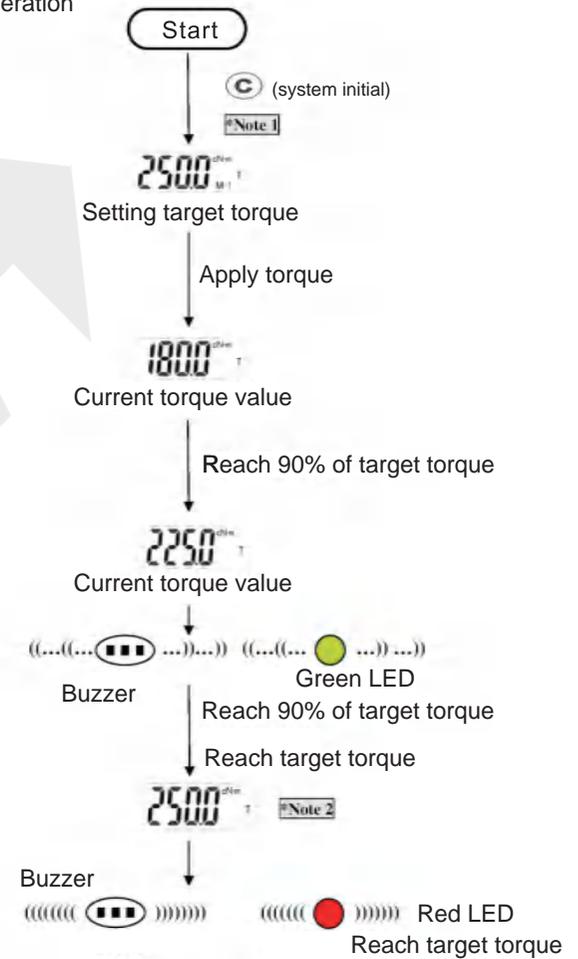
! Note:
The "Unit Selection" is cyclic.

3 Step 3: Peak hold/Track mode selection



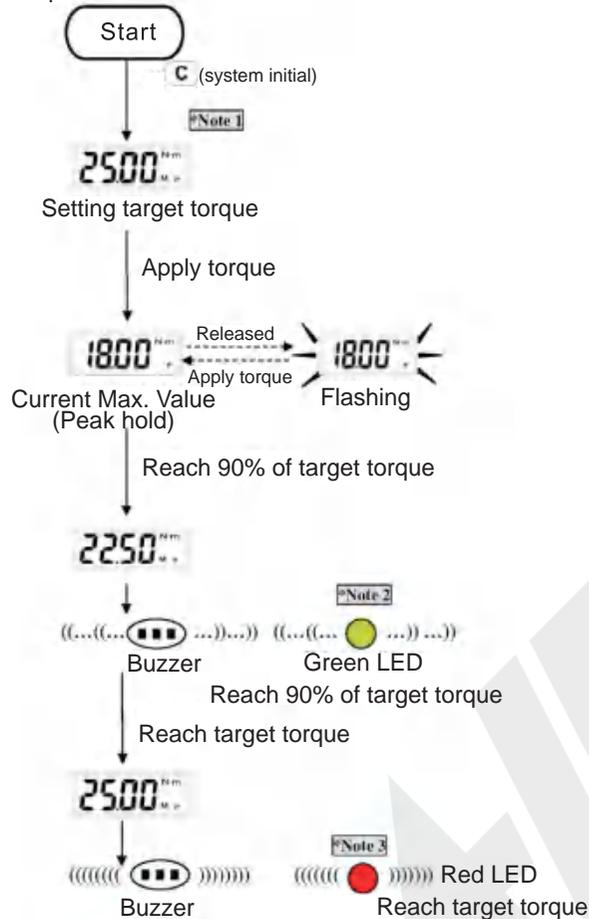
 Note:
Communication is for calibration of torque wrench. Please contact your local dealer for information.

Track Mode Operation



 Note: 1. If Er0 is appeared, that means this wrench has ever been applied more than 110% of torque of the spec.
2. When 90% of the target torque is reached, the green LED will begin to flash and the alarm tone will beep intermittently.
3. When 99.5% of the target torque has been reached, the alarm will change to a steady tone and the green LED will stop flashing and stay on. The red LED will also illuminate.

Peak Hold Mode Operation:



 Note: 1. If **Er0** is appeared, that means this wrench has ever been applied more than 110% of torque of the spec.
 2. When 90% of the target torque is reached, the green LED will begin to flash and the alarm tone will beep intermittently.
 3. When 99.5% of the target torque has been reached, the alarm will change to a steady tone and the green LED will stop flashing and stay on. The red LED will also illuminate.

Maintenance

Attention:
 One year periodic recalibration is necessary to maintain accuracy.
 Please contact your local dealer for calibrations.



- 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 this could cause serious damage.
- 10 Do not apply excessive force to the LCD panel.
- 11 Apply torque slowly and graspe the center of the handle. Do not apply load to the end of handle.
- 12 When checking the accuracy or calibration, please use the bit head packed inside the below mold case.

Battery Maintenance

- 1 When the wrench is not used for an extended period of time, remove the battery.
- 2 Keep a spare battery on hand when in long trip or cold areas.
- 3 Sweat, oil and water can prevent a battery's terminal from making electrical contact. To avoid this, wipe both terminals before loading a battery.
- 4 Dispose of batteries in a designated disposal area. Do not throw batteries into a fire.