

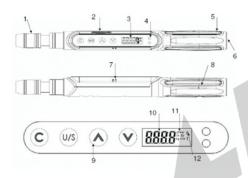


Main Function

- ◆ Digital torque value readout
- ◆ +/-2.5% or +/-3% accuracy
- ◆ CW and CCW operation
- ◆ Peak hold and Track mode selectable
- ◆ Buzzer and LED indicator for the pre-settable target torque
- ◆ Engineer units(cN-m, in-lb, kg-cm) selectable
- ◆ Auto power off after about 5 minutes idle
- ◆ Recharge batteries are compatible

Description

Structure:



1 Auto Bit Holder 2 Communication Port 3 LCD Readout 4 LED Indicator 5 Anti-slip Handle 6 Battery Cover 7 Buzzer 8 Calibration mark 9 Buttons 10 Torque Value 11 Units 12 Peak/Track Mode

Specification

1 Working Condition:

Operation temperature: $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$ Store temperature: $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$

Humidity: Can reach 90% if no condensation



Co	Code		IST-SD50	IST-SD200	IST-SD400
Range			10-50cN.m	40-200cN.m	80-400cN.m
Λ	ccuracy	CW	±3%	±2.5%	±2.5%
700		CCW	±4%	±3.5%	±3.5%
Resolution			0.1cN.m	0.1cN.m	0.1cN.m
Size of shank(L)			1/4"	1/4"	1/4"
Po	Power supply		1xAAA battery		
Length			193mm	203mm	203mm
Weight			190g	200g	200g

Note:

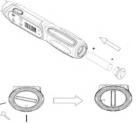
- 1. The accuracy of readout is guaranteed from 20%-100% of maximum range +/-1 increment. The torque accuracy is a typical value. Calibration point is on the rubber grip. For keeping the accuracy, calibrate the screwdriver for a constant period time(1 year).
- 2. One cycle means twist the screwdriver from 0 cN.m to maximun range and back to 0 cN.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 screwdriver

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 screwdriver

- ◆ Press to power on the digital screwdriver.
- ◆ Usually press **©** to reset the digital screw before using it.



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

Auto power off:

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

Resetting the screwdriver:

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

Setup.



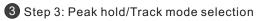
- 1 Power On/Clear
- 2 Unit Selection/Setting
- 3 Adjust Torque Value Up
- 4 Adjust Torque Value Down

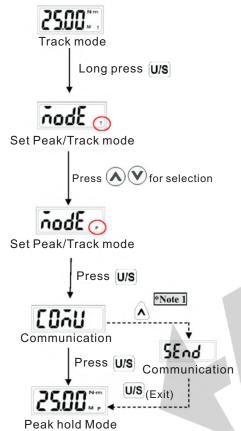




The "Unit Selection" is cyclic.





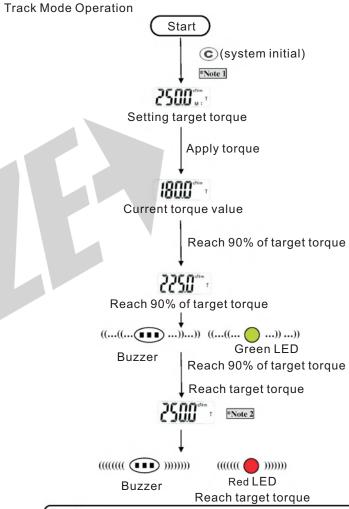




Note:

Communication is for calibration of screwdriver. Please contact your local dealer for information.

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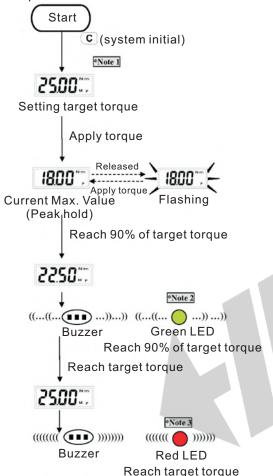


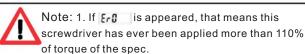
Note: 1. If **Er0** is appeared, that means this screwdriver has ever been applied more than 110% of torque of the spec.

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2. When reaching the setting target torque, the green and red LED will be on at the same time.

Peak Hold Mode Operation:





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2. When reaching the setting target torque, the green and red LED will be on at the same time.

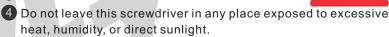
Maintenance

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 screwdriver.
- 3 Do not use this screwdriver as a hammer.



- 5 Do not use this apparatus in water.(not waterproof)
- 6 If the screwdriver 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 screwdriver.
- 8 Keep this screwdriver away from magnets.
- On not expose this screwdriver to dust or sand as this could cause serious damage.
- 10 Do not apply excessive force to the LCD panel.
- 1) Apply torque slowly and graspe the center of the handle. Do not applu load to the end of the handle.
- When checking the accuracy or calibration, please use the bit head packed inside the below mold case.

Battery Maintenance

- 1 When the screwdriver 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.

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