



www.insize.com



**IST-04TT SERIES
DIGITAL TORQUE TESTER
OPERATION MANUAL**



Attention

- ◆ Over-torque (110% of Max. torque range) could cause breakage or lose accuracy.
- ◆ Keep work area clean.
- ◆ Do not use the torque transducer with impact or impulse tools.
- ◆ Ensure that components are properly connected before using torque tester.
- ◆ Do not apply excessive force to the LCD panel.
- ◆ Do not use organic solvents, such as alcohol or paint thinner when cleaning the torque tester.
- ◆ Do not use unpermitted sockets or accessories.
- ◆ Do not attempt to disassemble or repair the torque tester. It may damage torque tester.
- ◆ Do not permit unauthorized personnel to operate the torque tester.
- ◆ Wear proper clothing to avoid loose articles being caught in moving parts.
- ◆ When not in use, torque tester should be stored in proper place.
- ◆ Do not handle the power plug with wet hands. Avoid causing an electric shock.

Product introduction

1 Main features

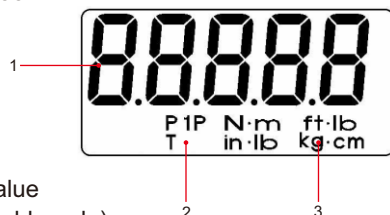
- ◆ Test torque wrenches, torque screwdrivers and other torque tools
- ◆ Clockwise operation
- ◆ Peak, first peak and track working modes
- ◆ Unit: N.m, N.cm, lbf.in, ozf.in, lbf.ft
- ◆ LED indicator for the target torque alarm:
Green LED light on when the value is in the tolerance. Red LED light on when the value is above the tolerance.
- ◆ The buzzer alarm is in the first peak mode, when the current detected torque reaches the maximum value(within the measurement range), the torque tester will capture the maximum value and will alarm
- ◆ Power off in 2 minutes automatically

2 Names and functions or parts



1. Alarm LED
2. LCD display
3. Reset
4. Buzzer
5. Power on/Clear button
6. Mode selection button
7. Set zero button
8. Pre-setting button
9. Unit selection button
10. Transducer

3 Display screen

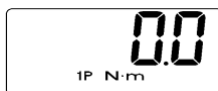


1. Torque value
2. P(Peak hold mode)
T(Track mode)
3. Units

Basic operations

1 Power on and zeroing the torque tester

- ◆ Press $\odot$ to power on the torque tester.
- ◆ Usually press $\textcircled{0}$ to zeroing the torque tester before using it.



2 Auto power off

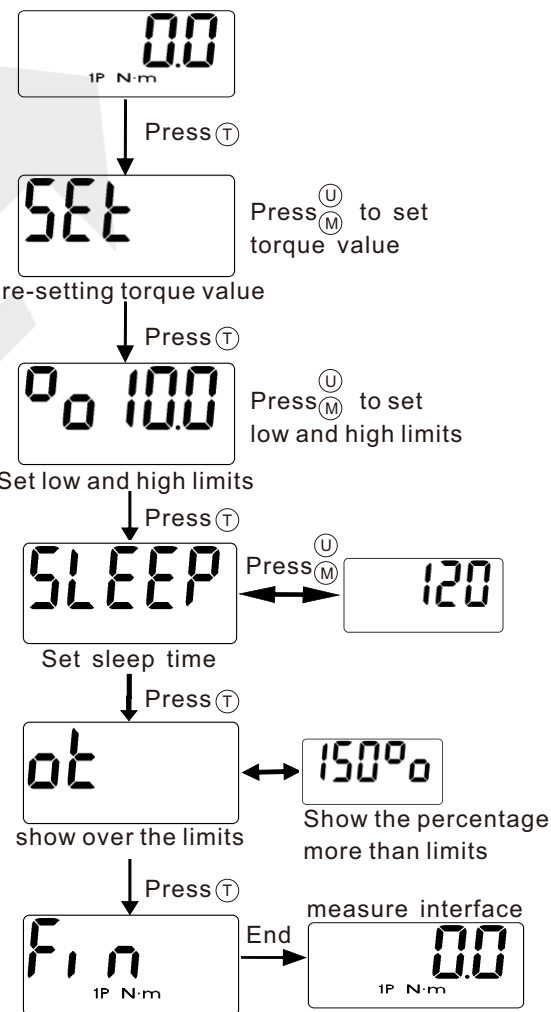
- ◆ The torque tester will auto power off after about 2 minutes idle for power saving. Press $\odot$ to power on the torque tester again. The sleep time can be adjusted.

3 Hardware reset

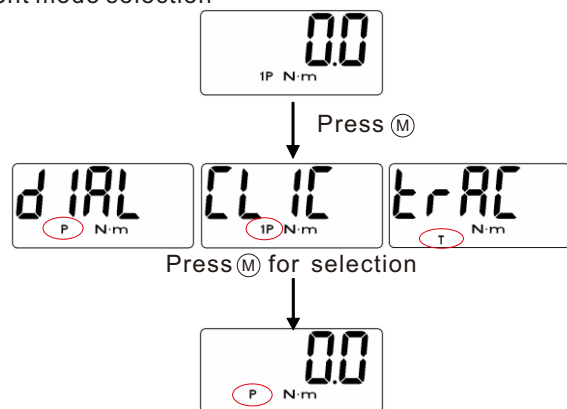
- ◆ To do hardware rest, use a pin to touch the system reset button and then press $\odot$ to power on the torque tester again.
- ◆ If the tester does not work functionally, please do hardware rest.

Menu set up

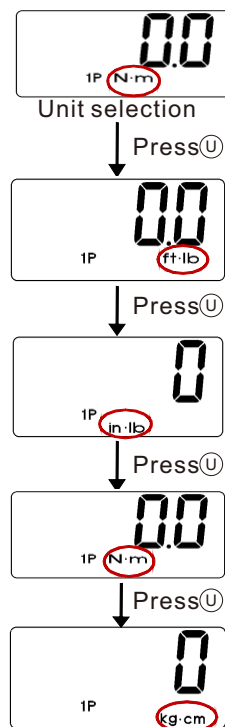
1 Set Torque Value, low and high limits, automatic power off



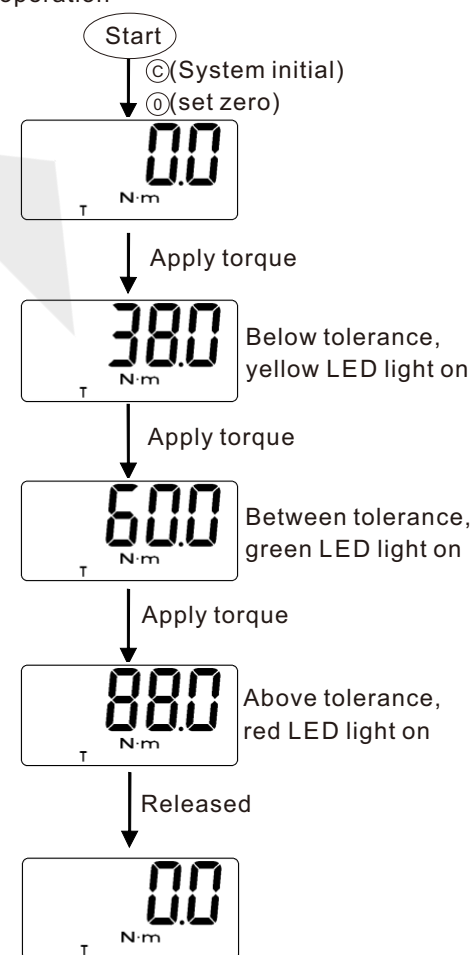
2 Measurement mode selection



3 Unit selection



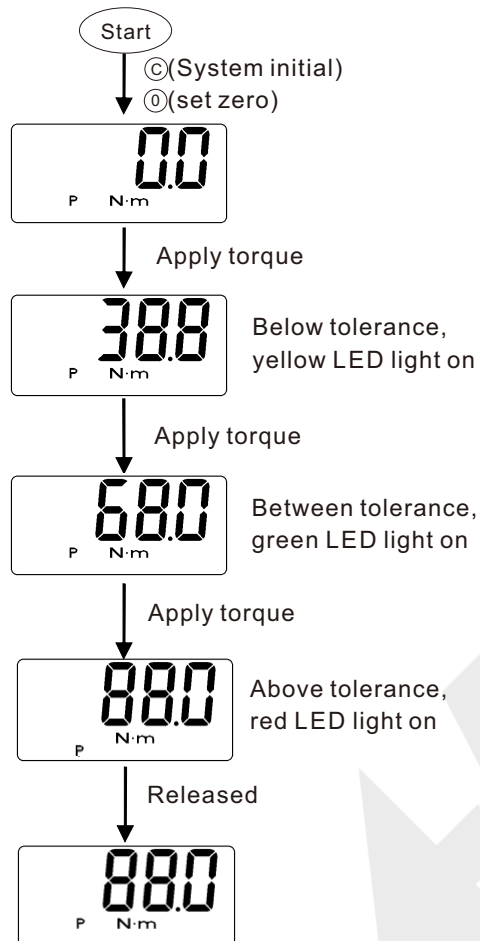
4 Track mode operation



Note:

If *Stop* is appeared, that means this torque tester has ever been applied more than 120% of torque of the spec. Press (C) to clear the display.

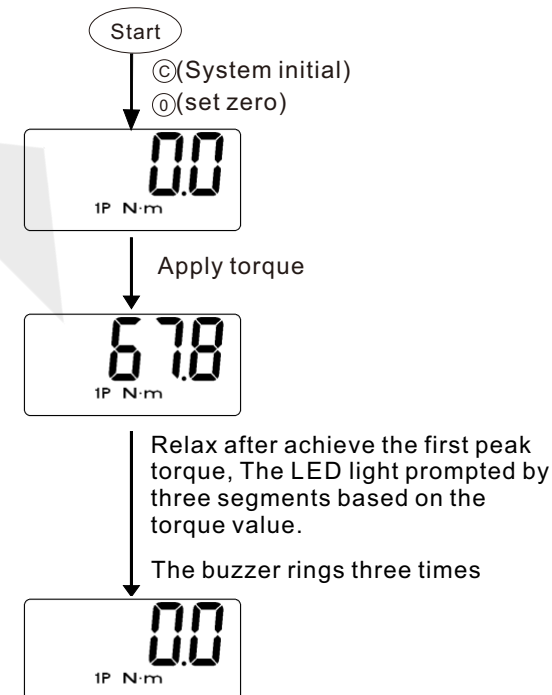
5 Peak hold mode operation



Note:

If $Stop$ is appeared, that means this torque tester has ever been applied more than 120% of torque of the spec. Press C to clear the display.

6 First peak mode operation



Note:

If $Stop$ is appeared, that means this torque tester has ever been applied more than 120% of torque of the spec. Press C to clear the display.