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**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

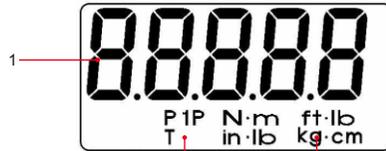
- ◆ With external sensor, to test torque wrenches, torque screwdrivers and other torque tools
- ◆ Clockwise and counter-clockwise operation
- ◆ Peak, first peak and track working modes
- ◆ Unit: N.m, N.cm, lbf.in, ozf.in, lbf.ft
- ◆ LED indicator for the target torque alarm:  
Yellow LED light on when the value is below the tolerance. 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 5 minutes automatically

② Names and functions or parts



- |                     |                           |
|---------------------|---------------------------|
| 1. Red alarm LED    | 8. Power on/Clear button  |
| 2. Green alarm LED  | 9. Pre-setting button     |
| 3. Yellow alarm LED | 10. Set zero button       |
| 4. LCD display      | 11. Unit selection button |
| 5. DC port          | 12. mode selection button |
| 6. Reset            | 13. Connection cable      |
| 7. Buzzer           | 14. Transducer            |

3 Display screen



- 1. Torque value
- 2. P(Peak hold mode)  
T(Track mode)  
1P(first peak mode)
- 3. Battery status icon

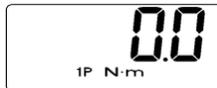
Basic operations

1 Power on and zeroing the torque tester

- ◆ Connect the sensor to the display, connect the display and the power adapter.
- ◆ Press  $\odot$  to power on the torque tester.
- ◆ The following screen represents the sensor connection state:



- ◆ The following screen represents the connection is successful:



- ◆ If the display cannot connect to the sensor, please check whether the connection cable is correct and restart the tester.
- ◆ Usually press  $\odot$  to zeroing the torque tester before using it.

2 Auto power off

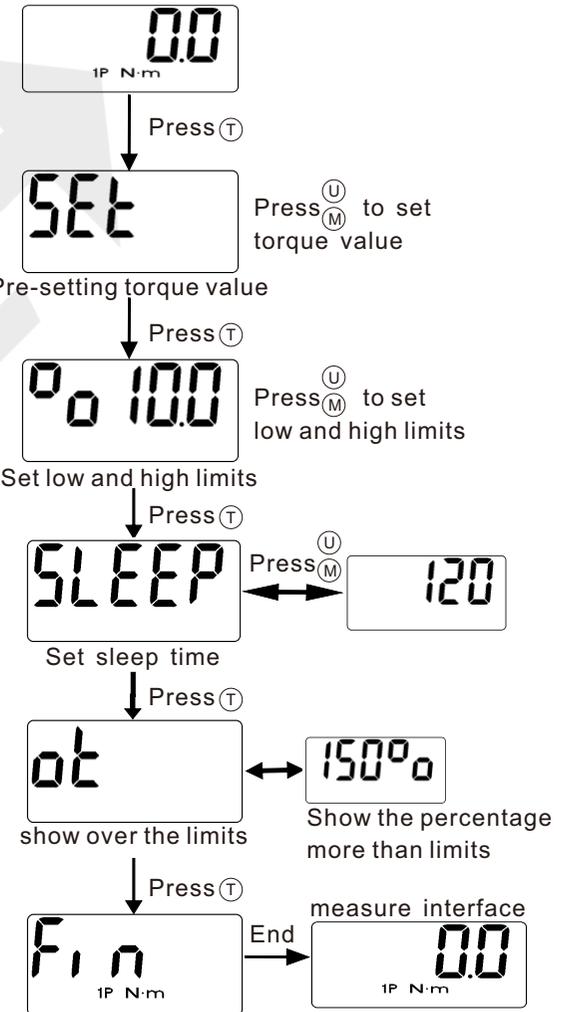
- ◆ The torque tester will auto power off after about 2 minutes idle for power saving. Press  $\odot$  to power on the torque tester again. the sleep time can be adjusted.

3 Hardware reset

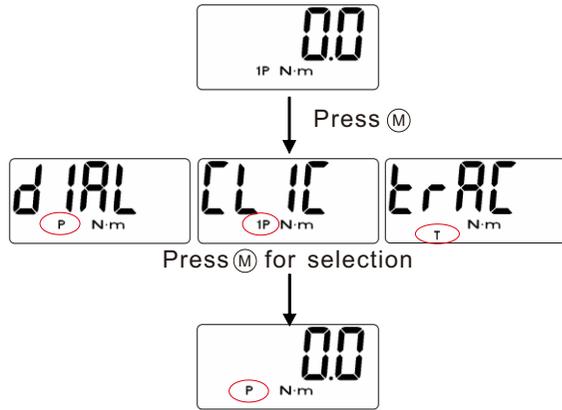
- ◆ To do hardware rest, use a pin to touch the system reset button and then press  $\odot$  to power on the torque tester again.
- ◆ If the tester does not work functionally, please do hardware rest.

Menu set up

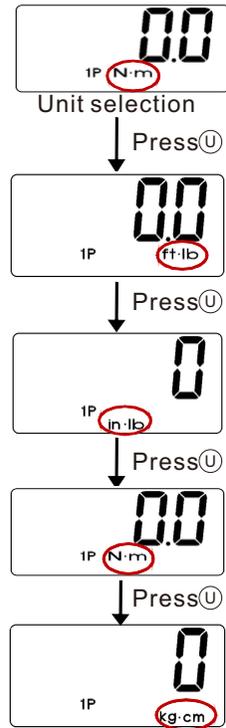
1 Set Torque Value, low and high limits, automatic power off



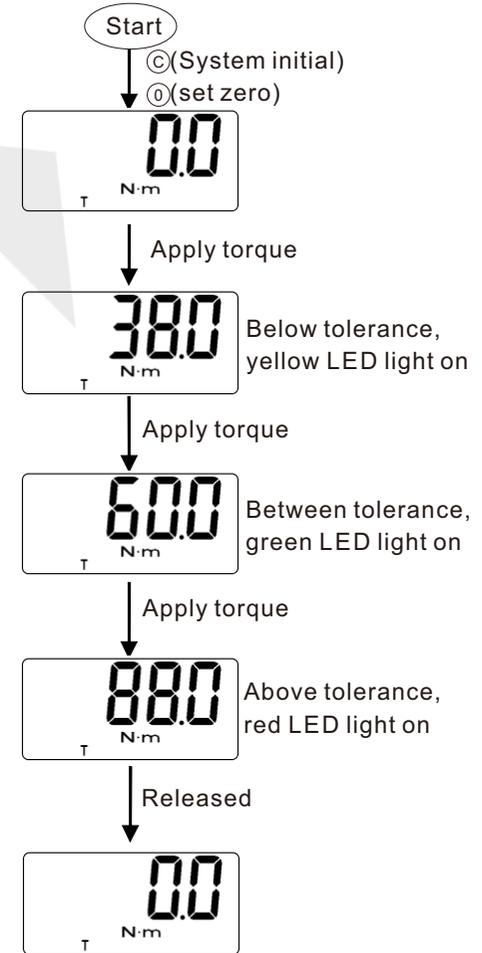
2 Measurement mode selection



3 Unit selection

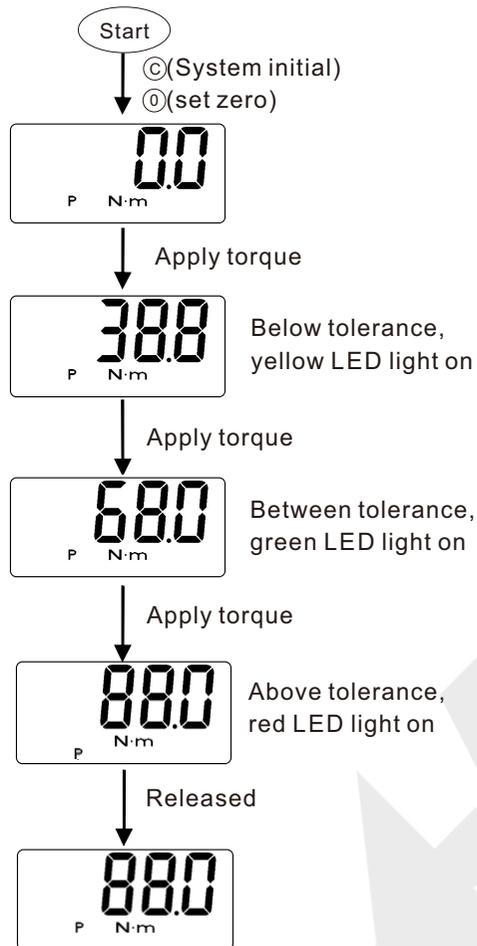


4 Track mode operation



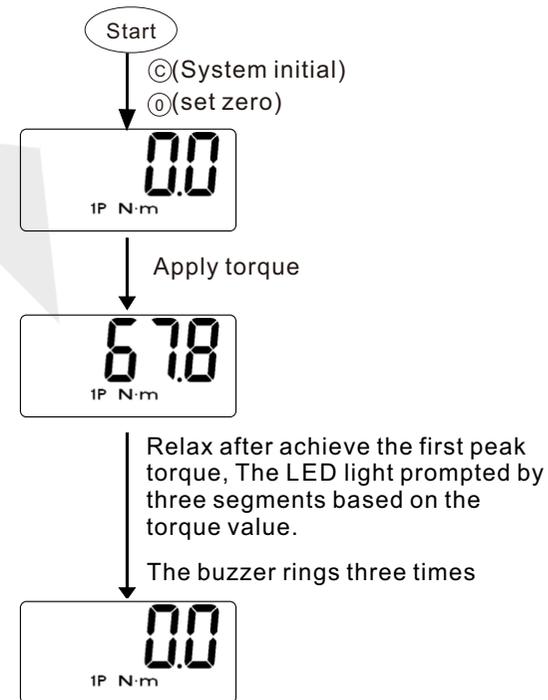
Note:  
If  $Skop$  is appeared, that means this torque tester has ever been applied more than 120% of torque of the spec. Press C to clear the display.

5 Peak hold mode operation



Note:  
If  $5k_{OP}$  is appeared, that means this torque tester has ever been applied more than 120% of torque of the spec. Press © to clear the display.

6 First peak mode operation



Note:  
If  $5k_{OP}$  is appeared, that means this torque tester has ever been applied more than 120% of torque of the spec. Press © to clear the display.