Digital Display Torque Meter Operating Manual

1 Introduction

Digital display torque meter is a torque monitoring instrument matched with ratchet wrench, which is used for various fastening and disassembly control forces. It has the functionalcharacteristics of simple operation, portable carrying, multi-unit conversion, sound indication, forward and reverse adjustment, etc. It is widely used in automobile, bicycle, various mechanical maintenance industries, etc.

2 Functional characteristics

□ 2.1 Error: 2% clockwise and 2.5% counterclockwise. It can be used in forward and reverse directions to improve work efficiency

□2.2 Four torque units: kgf.cm, N.m, Ibf.ft, Ibf.in.

□2.3 Acousto-optic alarm: effectively provide the accuracy and safety of operation.

□2.4 Backlight function: It is convenient to read data clearly at night or when luminosity is insufficient.

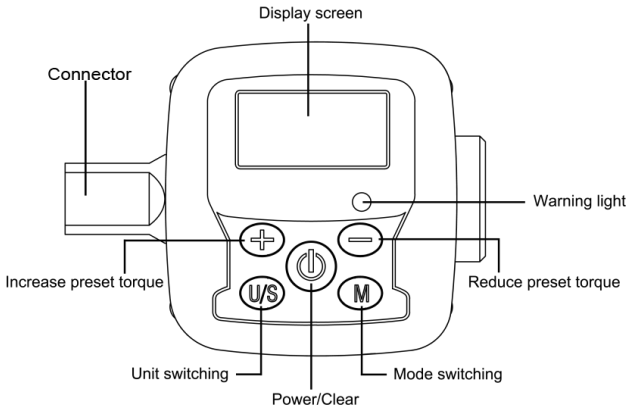
□2.5 Dual mode operation: real-time mode and peak mode.

□2.6 Power supply: 2 AAA dry batteries.

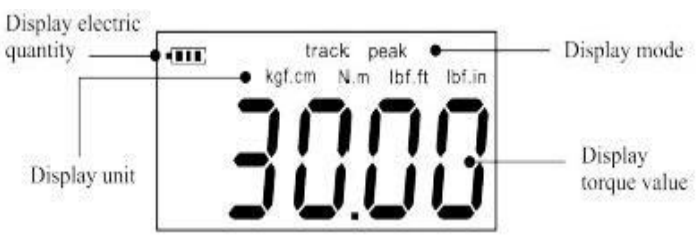
□2.7 Automatic shutdown: Automatic shutdown without operation for 2 minutes to avoid excessive power consumption.

3 Product components

"Torque Meter Body"



"Liquid Crystal Display"



4 Specification Parameter

Model		30	135	200	340
Minimum indexing value	N.m	0.01	0.1	0.1	0.12
Accuracy range		0.9-30	4-135	6-200	10.2-340
Acousto-optic alarm range		1.8-30	8.1-135	12-200	20.4-340
Connector		1/4	3/8	1/2	1/2
Buzzer alarm range		80%-100%			
Torsion accuracy		Clockwise 2%; 2.5% counterclockwise			

5 Operating Instructions

5.1 Startup

Press  the key to start the machine, and then enter the working interface. At this time, the torque value displayed on the screen is the preset value of acousto-optic alarm. Set the preset value of alarm, and then apply force to enter the working state. Long press "" to close together

PS:(After startup, if the power display is insufficient, it will automatically shut down and replace the battery before normal use)

5.2 Acousto-optic alarm preset value

In the initial working interface, the alarm preset value can be set freely by pressing or pressing a “+” or “-” key. When the applied force reaches 80% of the preset value,it will trigger the warning light to flash and be accompanied by a gap buzzer alarm; When the continuous force application reaches 100% of the preset value, the warning light changes from flashing to constant lighting and the intermittent buzzer alarm changes to long-sounding alarm.

5.3 Unit switching

In the startup state, please press the “U/S” key to switch four engineering units.

5.4 Operating Mode Switching

Real - Time Mode/Peak Mode: Select the desiredM operating mode by pressing a “M” key.

A Real-time mode

Real-time measurement mode: After the force is applied, the value on the screen jumps from the alarm preset value to the real-time torque value. When the torque is unloaded, the torque value automatically returns to zero and is displayed as the alarm preset value again.

B Peak mode

Peak measurement mode: After the force is applied, the numerical display on the screen jumps from the alarm preset value to th peak torque value. When the torque is unloaded, the maximum peak value in the current force application process is displayed on the screen and locked. The peak torque value can be cleared by pressing the key and the alarm preset value can be returned; The peak torque value can also be updated by applying force again (no need to clear it).

5.5 Clear function

When the force value is displayed on the display screen, the force value can be cleared directly by pressing a "" key.

5.6 Backlight function

When the instrument is turned on.Hold down the  key and the "+" key at the same time, turn on the backlight. Press again to turn off the backlight.

6 Maintenance and Storage

6.1 Note: In order to maintain good accuracy, recalibration is recommended approximately every year.
6.2 Exceeding the torque may cause damage orlpss of accuracy(105% over the maximumtorque range).
6.3 Do not shake the torque meter violently or drop it to the ground.
6.4 Do not place the torque meter in high temperature,high humidity or direct sunlight.
6.5 If you accidentally wet the torque gauge, dry it immediately with a dry towel.
6.6 Do not press the LCD screen.

7 Accessories

Order number	Name	Quantity
1	Digital torque meter	1PCS
2	Operating Manual	1PCS

Note: Adapter is not used as a standard accessory. Can be matched according to the actual use of customers.

International air express does not contain batteries by default.

Battery model : LR03 AAA *2