



Professional digital torque wrench breaks through the problem that traditional torque tools cannot determine the amount of torque to be applied, and has functions such as displaying torque warning values, memory data and transmission. This skill allows the operator to precisely control the tightening torque value of the wrench, which is very suitable for factory production. Full inspection and quantitative inspection quality analysis to improve production quality and reasonable price.

Gallery



Features

- The ratchet head can be changed into the required form.
- Minimalist function operation: torque value setting, unit setting, mode setting
- There are 12 LEDs on the side of the wrench. Users can see on the side that the torque value has been reached, and cooperate with the buzzer sound to provide more convenience to the user.
- As long as you press a button, you can easily switch the unit setting.

Display indicators



Unit selection: N.m 、 in.lb 、 ft.lb、 kg.cm

names and functions of parts

Interchangeable head
form ratchet head

Model: MEC2-030XX-MEC4-340XX
Torque range: 30-340N.m
Ratchet head size: 1/4"、3/8"、1/2"
Accuracy: $\pm 1\%$ or $\pm 2\%$ (CW)

Embedding size-width * height (mm)
12 * 9 --- MEC2-030, MEC3-135, MEC4-135
18 * 14 --- MEC4-200, MEC4-340

Force overload record

Wet display

Passed stringent environmental tests

Non-slip handle

AA*2 - 3th battery
(Supports rechargeable batteries)



When the set torque value is reached, the warning signal of the LED can be viewed on the side
Green light-warning signal, reaching the set torque value soon
Red light-stop signal, has reached the set torque value

12-LEDs (4red / 8green) on the side of the wrench
Provide more convenience to users



Unit selection: N.m 、 in.lb
ft.lb、 kg.cm

Communication port:
Communication transmission
Network correction

buzzer



Operating mode:
Peak hold (P)
Follow mode (T)

C key:
Power on
reset

Up and down keys:
Torque value setting

U / S key

Resolution:

1/4"、 3/8" -0.01N.m/0.1in.lb/
0.01ft.lb/0.1kg.cm
3/8"、 1/2" -0.1N.m/1in.lb/
0.1ft.lb/1kg.cm

1. When you want to switch units, short press this button to switch four units
2. When you press and hold this button, you can enter the settings of "operation mode" and "network calibration"

Specifications

MODEL*1 (MEC Series)	MEC2-030BN BN	MEC3-135BN BN	MEC4-135BN BN	MEC4-200BN BN	MEC4-340BN BN
Accuracy*2	CW: $\pm 2\%$ CCW: $\pm 3\%$	CW: $\pm 2\%$ CCW: $\pm 3\%$	CW: $\pm 2\%$ CCW: $\pm 3\%$	CW: $\pm 2\%$ CCW: $\pm 3\%$	CW: $\pm 2\%$ CCW: $\pm 3\%$
Maximum torque value	30N.m/22.12ft.lb 265.5in.lb/306.1Kg.cm	135N.m/99.5ft.lb 1195in.lb/1378Kg.cm	135N.m/99.5ft.lb 1195in.lb/1378Kg.cm	200N.m/147.5ft.lb 1770in.lb/2041Kg.cm	340N.m/250.7ft.lb 3009in.lb/3469Kg.cm
Torque test range	1.5-30N.m 1.11-22.12ft.lb 13.3-265.5in.lb 15.3-306.1Kg.cm	6.8-135N.m 5-99.5ft.lb 60-1195in.lb 69-1378Kg.cm	6.8-135N.m 5-99.5ft.lb 60-1195in.lb 69-1378Kg.cm	10-200N.m 7.4-147.5ft.lb 88-1770in.lb 102-2041Kg.cm	17-340N.m 12.5-250.7ft.lb 150-3009in.lb 173-3469Kg.cm
Guaranteed accuracy range	6-30N.m 4.4-22.12ft.lb 53-265.5in.lb 61-306.1Kg.cm	27-135N.m 19.9-99.5ft.lb 239-1195in.lb 276-1378Kg.cm	27-135N.m 19.9-99.5ft.lb 239-1195in.lb 276-1378Kg.cm	40-200N.m 29.5-147.5ft.lb 354-1770in.lb 408-2041Kg.cm	68-340N.m 50.1-250.7ft.lb 602-3009in.lb 694-3469Kg.cm
Resolution	0.01N.m/0.01ft.lb 0.1in.lb/0.1Kg.cm	0.1N.m/0.1ft.lb 1in.lb/1Kg.cm	0.1N.m/0.1ft.lb 1in.lb/1Kg.cm	0.1N.m/0.1ft.lb 1in.lb/1Kg.cm	0.1N.m/0.1ft.lb 1in.lb/1Kg.cm
LED warning light	12LED(4Red+8Green)	12LED(4Red+8Green)	12LED(4Red+8Green)	12LED(4Red+8Green)	12LED(4Red+8Green)
Operation mode	Peak hold (P) / follow mode (T)	Peak hold (P) / follow mode (T)	Peak hold (P) / follow mode (T)	Peak hold (P) / follow mode (T)	Peak hold (P) / follow mode (T)
Unit selection	N.m in.lb ft.lb kg.cm	N.m in.lb ft.lb kg.cm	N.m in.lb ft.lb kg.cm	N.m in.lb ft.lb kg.cm	N.m in.lb ft.lb kg.cm
Wrench length(mm)	390	415	415	530	650
Ratchet square head (inches)	1/4	3/8	1/2	1/2	1/2
Head special device	Recessed ratchet head	Recessed ratchet head	Recessed ratchet head	Recessed ratchet head	Recessed ratchet head
Number of ratchet teeth	52	52	52	52	52
Communication transmission function*3	NO	NO	NO	NO	NO
Number of keys	4	4	4	4	4
Battery * 4	AA×2	AA×2	AA×2	AA×2	AA×2
Operating temperature	-10°C~60°C	-10°C~60°C	-10°C~60°C	-10°C~60°C	-10°C~60°C
Storage temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
Humidity	Up to 90% without condensation	Up to 90% without condensation	Up to 90% without condensation	Up to 90% without condensation	Up to 90% without condensation
Drop test	1 meter	1 meter	1 meter	1 meter	1 meter
Vibration test*5	10g	10g	10g	10g	10g
Wrench life test*6	10000	10000	10000	10000	10000
Environmental test*7	PASS	PASS	PASS	PASS	PASS
Electromagnetic compatibility test*8	PASS	PASS	PASS	PASS	PASS

*1 Product name selection guidelines

MEC ☐ - ☐ ☐ ☐ ☐ ☐ ☐☐ : 2---Ratchet square head 1/4"

3 3/8

4 1/2

☐ : 030-- Maximum operating range 30N.m

135 135

200 200

340 340

☐ : B----- Accuracy 2%(CW) 3%(CWW)☐ : N-----Does not support RS232 communication function

- *2: The accuracy guarantee range is 20-100% of the maximum range, and the last digit is not included. Torque accuracy is a typical value. The middle groove on the grip is the calibration point. To ensure accuracy, it is recommended to calibrate once a year.
- *3: Use a special RS232 cable (accessory) to send data to the computer
- *4: Two AA batteries (Toshiba R6UG carbon zinc battery)
- *5: Horizontal and vertical test
- *6: "One time" refers to pushing the wrench from 0N.m to the maximum marked value of the wrench, and then back to 0N.m
- *7: Environmental test:
- High temperature test,
 - Low temperature test,
 - High temperature and high humidity test
 - temperature change test,
 - impact test, f. vibration test, g. drop test
- *8: Electromagnetic compatibility test:
- Electrostatic test (ESD),
 - Radiation tolerance (RS),
 - Radiation measurement (RE)

Ordering Information

Capacity & Resolution			
Model	Capacity	Indication	Resolution
MEC2-030BN	30N.m	30N.m(22.12ft.lb 265.5in.lb/306.1Kg.cm)	0.01N.m(0.01ft.lb 0.1in.lb/0.1Kg.cm)
MEC3-135BN	135N.m	135N.m(99.5ft.lb 1195in.lb/1378Kg.cm)	0.1N.m(0.1ft.lb 1in.lb/1Kg.cm)
MEC4-135BN	135N.m	135N.m(99.5ft.lb 1195in.lb/1378Kg.cm)	0.1N.m(0.1ft.lb 1in.lb/1Kg.cm)
MEC4-200BN	200N.m	200N.m(147.5ft.lb 1770in.lb/2041Kg.cm)	0.1N.m(0.1ft.lb 1in.lb/1Kg.cm)
MEC4-340BN	340N.m	340N.m(250.7ft.lb 3009in.lb/3469Kg.cm)	0.1N.m(0.1ft.lb 1in.lb/1Kg.cm)