



**⚠ WARNING**

Before using the instrument, please read the manual carefully to get operate it correctly.  
Please keep this manual for future reference.

Thank you very much for your purchasing HB Series Digital Cap Torque Meter, which with easy operation and high accuracy advantage, widely used in electric, machinery manufacture, camera industry, watch industry, auto industry, scientific research and so on.

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## DIGITAL CAP TORQUE METER

### WARNING:



**DO NOT OVERLOAD CAPACITY , TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.**

### → Warning and maintenance

- ▶ Do not apply excessive load than rated, or load cell will be damaged, and parts may be broken. Never exceed 120% of max. load.
- ▶ Don' t expose the instrument under sunlight, or corrosive gas.
- ▶ Don' t place instrument in dusty or vibrating location.
- ▶ Be sure that the operation relative humidity is below 70%
- ▶ Be sure that the operation temperature is between 0°C and 40°C
- ▶ In order to get much stability, Please warm up for 5 minutes.
- ▶ Never disassemble, repair and remodel the meter by yourself, or it may cause other malfunction.
- ▶ Do not charge or operate the meter in other voltage, which may be cause fire.
- ▶ Do not use other adapter, which is not orvided with this meter, it may be cause fire. Please ensure charging time less than 6 hours.
- ▶ Clean dirt and dust from meter with soft cloth . After dipping cloth in the Neutral detergent water and squeeze out water, and clean dirt with the cloth .

## DIGITAL CAP TORQUE METER

- h. Press MEMO Key when you need to memory the values;
- i. After one measure, when under the mode of PEAK, it need to press Zero Key to zero, then prepare the next measure;
- J. After measure, please power off, pick the buffer down and put them back into toolbox.

### → Packing checklist

No.	Description	Quantity
1	Cap Torque Meter	1
2	AC adapter	1
3	USB Cable	1
4	CD Software	1
5	User Manual	1
6	Calibration Certificate	1
7	Certificate of Quality	1

## DIGITAL CAP TORQUE METER



Modified key:in settings or the use of adjusted data

### ZERO

Clear or zero value. Press SEND key, then press ZERO key can delete one memory data, press ZERO key for 3 seconds, it can delete all memory data.

### SET

Press SET key 1 time , it will show “High limit setup” , Press “SET” key 2,3,4,5,6,7 times, it will shows “ Low limit setup” , “Min memory value” , “Min peak hold” , “Peak clr time” , “Power off time” , “Sampling rate” one by one , at last it with show “Save settings” ,Press MEMO Key to save, Then you can start to test.

### → Operation

Before measure, please ensure the instrument has been Charged.

Steps:

- Place the instrument stably on desktop;
- Power on the torque meter;
- Press UNIT Key to choose the unit you need;
- Press PEAK Key to set TRACK mode;
- Press ZERO Key to ZERO it;
- Choose a suitable accessory and fix it on the adapter socket;
- If you need peak hold function, please press PEAK Key to set PEAK mode;

## DIGITAL CAP TORQUE METER

### Parameter

Model	HB-10	HB-20	HB-50	HB-100	HB-200
Measurement range	N.m	2/0.001	5/0.001	10/0.01	20/0.01
	kgf.cm	10.2/0.01	51/0.01	102/0.1	204/0.1
	lbf.in	8.85/0.01	44.25/0.01	88.5/0.1	177/0.1
Accuracy	±0.5%				
Units	lbf.in, kgf.cm, N.m				
Measurement mode	Track, Peak, Auto Peak				
Weight	9.8kg				
Working voltage	Input:AC:220-240V Output: DC9V,400mA				
Load cell	Inside				
Working temperature	0℃~40℃				
Transport temperature	-10℃~60℃				
Relative moisture	15%~70%RH				
Working environment	No vibrancy and no cauterly				

## DIGITAL CAP TORQUE METER

### → Function

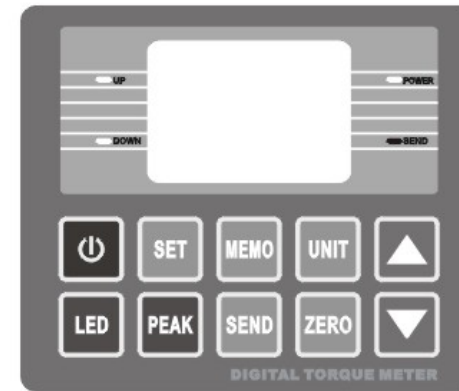
HB Series Cap Digital Torque Meter is an intellectualized measure instrument, which is specially designed for testing and measuring different of torque. HB is main used for kinds motorized or air screwdriver, torque screwdriver, torque wrench, torque driver, measure and calibrate torque testing, and parts fracture test. It is widely applied in electric industry, machinery industry, light industry, automobile industry, scientific research and so on.

### → Specification

- ▶ high accuracy and resolution;
- ▶ Clockwise and anticlockwise direction.
- ▶ peak hold function;
- ▶ peak automatic clearance function;
- ▶ Tolerance limit(up and down limit);
- ▶ automatic power off function;
- ▶ 3 units available: N.m、kgf.cm、lbf.in;
- ▶ reset acceleration of gravity function;
- ▶ full range 150% overload;
- ▶ large memory;
- ▶ inductive background light;
- ▶ USB output;
- ▶ Match synchronous analysis software;

### → Key function

## DIGITAL CAP TORQUE METER



Power

Power switch, switch on or off.

LED

Background light on or off.

SEND

Press SEND key to read value data;

PEAK

3 modes convert automatic: TRACK, PEAK, AUTO PEAK, .

MEMO

Press MEMO key to save the value data. Under condition of AUTOPEAK, press MEMO key to change to AUTO SAVE.

UNIT

Change the units: N.m, Kgf.cm, lbf.in.