User's Manual

Professional Humidity & Temperature Meter

Please read this user's manual thoroughly before using this unit and keep it properly for your future reference.

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1. ⚠ Safety

Read the following safety information carefully before attempting to operate or service the meter.

Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

▲ **Environment conditions:**

- RH≤90％（Non-Condensation）
- Operating Temperature: -30℃ ～ 60℃

▲ **Maintenance**

- Repairs or servicing not covered in this manual should only be performed by qualified personnel.
- Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.

▲ **Safety Symbol**

CE Comply with EMC

2. Introduction

The Humidity & Temperature Meter is designed with a high accuracy temperature & humidity sensor, providing high accuracy, fast response and stable readings. It is widely used for monitoring and collecting data of environment temperature and humidity.

This meter is widely used for measurement of temperature and humidity of room, metro, library,commercial center, communication center room, etc.

3. Features

▲ Temperature units: ℃/℉

▲ MAX record

▲ MIN record

▲ Data hold

▲ Dew Point Temperature

▲ Backlight

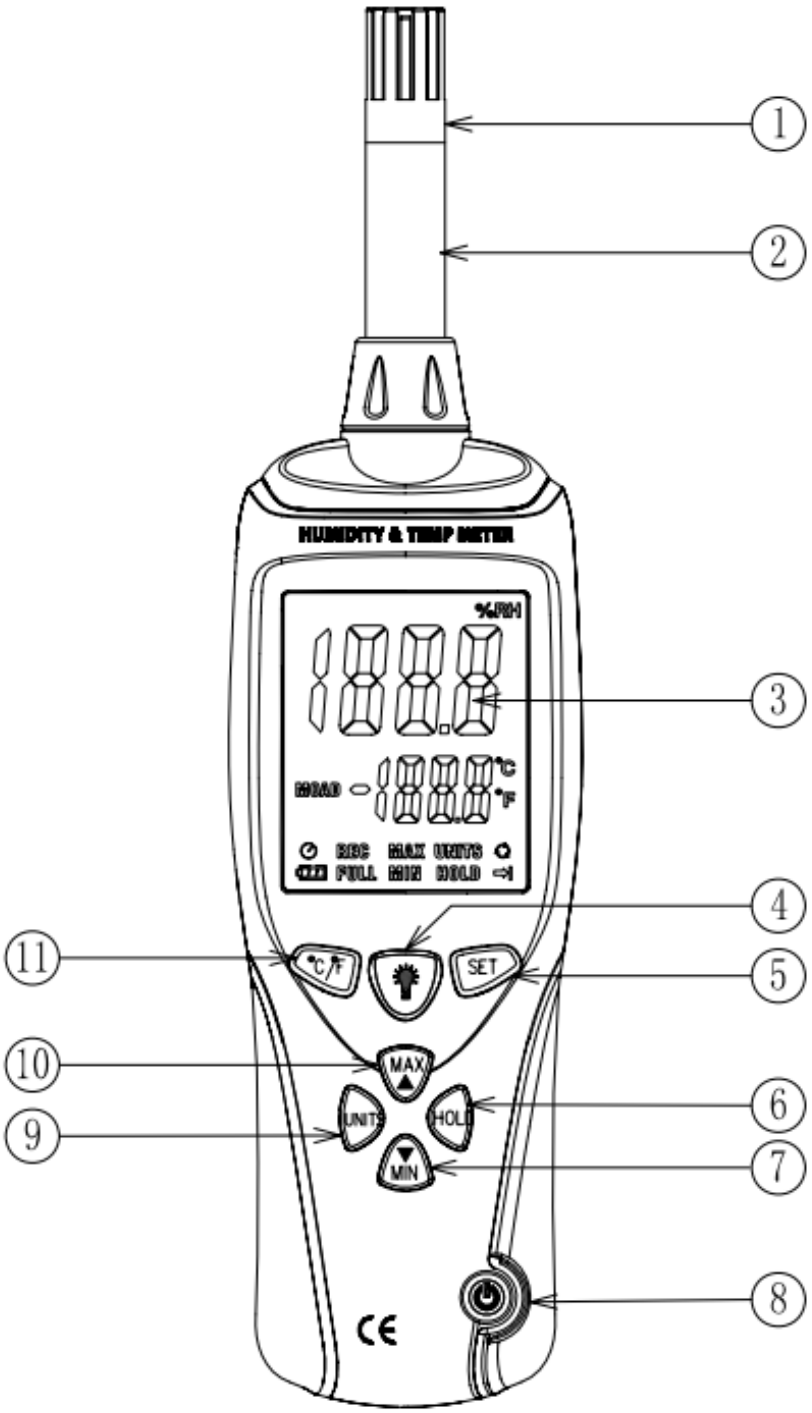
▲ Resolution 0.1%RH, 0.1℃

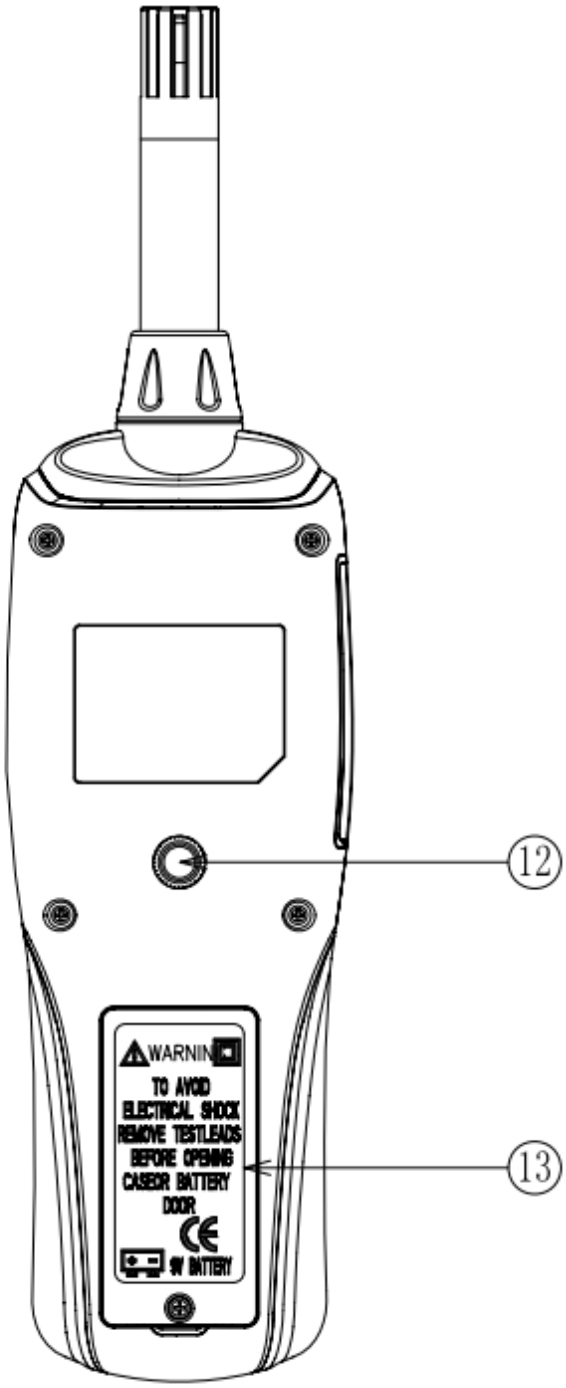
▲ Calibration function

4. Specifications

Humidity	Measuring range	Accuracy
	0～ 100%RH	0～20%RH, 80%～100%RH: ±4.0%
		20%～40%RH，60%～80%RH: ±3.0%
		40%～60%RH: ±2.0%
Temp.	-35℃～100℃	-35℃～-10℃, 70℃～100℃: ±1.0℃
		-10℃～70℃ : ±0.5℃
		-31℉～+14℉,158℉～212℉): ±1.8℉
		14℉～158℉: ±0.9℉
Dew Point Temp.	-35～100℃ -31℉～212℉	25℃,40%～100%RH : ±1.0℃(±1.8℉)
Dimension (L*W*H)	185*66*33(mm)	
Weight	237g	

5. Meter Description




⑫
⑬
WARNIN
TO AVOID
ELECTRICAL SHOCK
REMOVE TESTLEADS
BEFORE OPENING
CASEOR BATTERY
DOOR
9V BATTERY

(1) Temperature & Humidity sensor

(2) Metal bar

(3) LCD display

(4) Backlight ON/OFF key

(5) SET key

(6) Data hold key

(7) MIN/DOWN key

(8) Power ON/OFF key

(9) Dew point temperature key

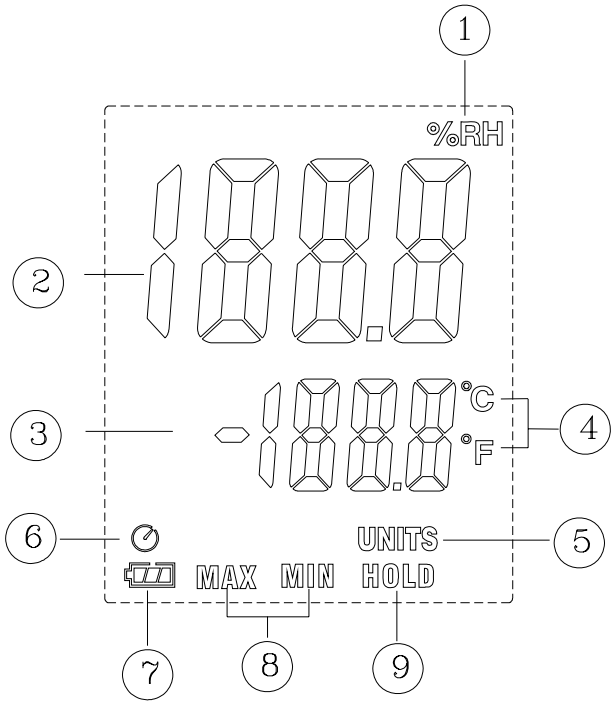
(10) MAX/UP key

(11) ℃/℉ temperature units key

(12) Tripod nut

(13) Battery compartment

6. LCD Display Description



① Humidity unit icon

② Humidity record

③ Temperature record

④ Temperature units icon

⑤ Dew point temperature units icon

⑥ Auto power off icon

⑦ Battery icon

⑧ MAX/MIN icon

⑨ Data hold icon

7. Operation Instruction

(1) Open battery cover and install a 9-volt battery in the battery compartment.

(2) Power ON: Turn the meter on by pressing " " button for 1 second until the LCD is lighted, then loose the button.

(3) Power OFF: Turn the meter off by pressing and holding " " button for approx. 3 seconds until the LCD is switched off, then loose the button.

(4) MAX record: press " " button once, MAX icon will appear on the LCD, which indicates the current maximum reading, press this button again to exit MAX record display.

(5) MIN record: press " " button once, MIN icon will appear on the LCD, which indicates the current maximum reading, press this button again to exit MIN record display.

(6) In the measuring mode, press " " button to convert the temperature units ℃/℉.

(7) Auto power off icon, the meter will automatically turn off after approx. 15 minutes of inactivity.

(8) Dew Point Temperature: press " " button once, UNITS icon will appear on the LCD, which indicates the dew point temperature measurement is conducting, press this button again to exit this function.

(9) Hold: press " " button once, "HOLD" icon will appear on the LCD, which indicates the data is freezed. To release the held reading, press the button again.

(10) Humidity Calibration

In the Power OFF mode, keep pressing " " button then power the meter on, after the LCD displays, release all the buttons, the LCD will display as follows:

The upper reading is the real humidity value, the middle reading is the calibration value and the lower one is the MAX icon, which indicates the calibration value is above 75%RH. Press “▲” or “▼” button to increase or decrease the value, after finished calibration, press "HOLD" button to exit the Humidity Calibration Mode and the calibrated value will be kept automatically.

If not exit the mode, press SET button once, the MIN icon

will appear on the lower part of LCD, which indicates the calibration value is below 35%RH, Press “▲” or “▼” button to increase or decrease the value, after finished calibration, press "HOLD" button to exit it and the calibrated value will be kept automatically, LCD display will as below:

11) Backlight ON/OFF；In the Power ON mode, press " " button once, the backlight will be on, press this button again to turn off it.

8. Notes

① This meter has already been calibrated before delivery. Do not revise the calibration parameters without professional personnel and device. The recommended calibration period is one year.

② Repairs or servicing not covered in this manual should only be performed by qualified personnel.

③ Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.

④ Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.

⑤ Replace new batteries when the low battery icon " " appears.

9. Accessories

① User's manual

② 9V battery

③ Tripod(Optional)