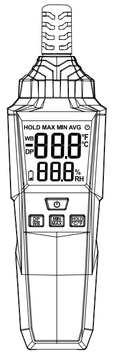
USER'S MANUAL

CE RoHS M101040080

⚠ Please read this manual carefully before using this product,and keep it properly for future use!

USER'S MANUAL

DIGITAL TEMPERATURE HUMIDITY METER



120*90mm

Description/Safety information

1. Description

The digital temperature and humidity meter applies portable design, synchronous display of temperature and humidity and accurate measurement by high-performance sensor. It has the characteristics of stable performance, high sensitivity, safety, reliability and fast response.

It's an ideal testing instrument -suitable for the temperature and humidity measurement and monitoring of the food storage, warehouse management, agriculture, forestry, animal husbandry, medical and health care, laboratory, public and home environment.

WB wet-bulb temperature refers to the lowest temperature that can be achieved only by evaporating water in the current environment.

DP dew point temperature refers to the temperature at which the air cools to saturation under the condition that the water vapor content in the air is constant and the air pressure is kept constant is called .

2.Safety information

Before operating or maintaining this instrument, please read the following information carefully and use it according to the operation guide, otherwise it may damage the instrument. ⚠

2.1 preparation

* After receiving the instrument, check whether it is damaged in transit.
* After storage and shipment in harsh environment, check and confirm whether the instrument is damaged.

2.2 Use

* During measurement, violent vibration of the instrument should be avoided.
* The instrument shall work within the specified environmental temperature and humidity range.

Structure

* When using the instrument, if there is any abnormality or failure, please stop it.
* Do not store or use the instrument in direct sunlight, high temperature and extremely humid environment.
* Do not use it for a long time in an environment with humidity exceeding 90%.

2.3 Signs

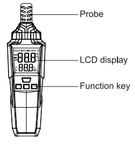
Signs	Description
⚠	Important safety information. Please refer to the instruction manual.
CE	Comply with relevant rules and regulations of the EU.

2.4 Maintenance

* Non-professional maintenance personnel are forbidden to open, adjust or repair this instrument.
* If the instrument is stored for a long time, please take out the battery to prevent leakage and corrosion.
* If there are dust stains on the instrument, please wipe it with a clean and moist soft cloth. Solvents or abrasives are prohibited.
* When the screen appears ( ), the battery is low. In order to avoid affecting the measurement results due to low battery, please replace the battery immediately.

3.Component name

3.1 Structure



Display/Keys

3.2 Display



Signs	Description	WB	Wet-bulb temperature
⏻	Automatic shutdown	DP	Dew-point temperature
MIN	Minimum value	°C	Degree celsius
MAX	Maximum value	°F	Fahrenheit
HOLD	Data hold	%RH	Humidity unit
-	Negative	▭	Low battery

3.3 Keys



Signs	Description
⏻	Power key
DP/WB	Dew point temperature/wet bulb temperature selection key
MIN/MAX	Min/Max Hold Key
HOLD	Short press data hold
°C/°F	Long press to select °C/°F

Operation guide

4.Operation guide

1.Long press the (⏻) key for 2 seconds to turn the meter on, and short press to turn it off .

2.The default mode is ambient temperature and humidity measurement when it's turned on.

3.Short press the DP/WB key to select DP (dew point temperature) →WB (wet bulb temperature) → ambient temperature and humidity measurement mode.

4.Long press the ℃/℉ key for selection, and short press the HOLD key for holding the measurement data.

5.The backlight automatically lights up by any key, and turns off after 5 minutes.

6.Short press the MAX/MIN key to select the maximum/minimum value hold during measurement.

7.Default startup temperature setting: Press DP key+power key to start the meter when it is turned off, and the character "CAL" flashes on the screen, indicating that the default startup temperature is set "C/°F. Press (⏻) key again for 2 seconds to start the machine for measurement.

8.Cancel the automatic shutdown function: press the MAX key+(⏻) key to start the machine when it is turned off, and the screen shows "APO" and (⏻) in the upper corner disappears, and the automatic shutdown function has been canceled. After manual shutdown, the automatic shutdown function is resumed.

Specifications

5. Specifications

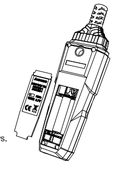
Operation altitude	2000m
Display	LCD
Sampling rate	About 1 second
Automatic shut-down	About 30 minutes
Operation current	About 1mA (backlight goes out)
Power Supply	1.5V×3AAA
Temperature measurement	-20～60℃/±1.0°C
	-4～140°F/±2.0°F
Dew-point temperature	-50°C～60°C
	-58°F～140°F
Wet-bulb temperature	-20°C～60°C
	-4°F～140°F
Moisture measurement	0～99% RH/5% RH (no condensation environment)
Resolution ratio	0.1%RH/0.1°C/0.2°F
Size	188mm×54mm×34mm
Weight	About 120g (excluding battery)

Battery replacement

6.The best relative humidity environment (for reference only)

45%RH~75%RH	Thermometer 15 ~ 25°C Best suitable environment for human body
40%RH~70%RH	Room environment
40%RH~60%RH	Library, Art Gallery and Museum Environment
45%RH~60%RH	Working environment of electronic equipment and communication room
40%RH~60%RH	Storage environment of agricultural materials and cotton and wool textiles
50%RH~60%RH	Dairy storage environment
60%RH~70%RH	Fruit storage environment
30%RH~50%RH	Best convalescent environment

7.Battery replacement



①. Turn off the power supply.

②. Use a screwdriver to remove the battery cover screw on the back of the instrument.

③. Remove the battery cover.

④.Dismantle the old battery.

⑤. Replace with new 1.5X3AAA batteries.

⑥.Install the battery cover and tighten the fixing screws.

Accessories:

①. A digital thermometer	②. 1.5V×3AAA batteries
③. A product manual	④. Velvet bag