USERS MANUAL

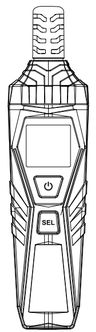
Made in China

CE RoHS M101040050

Before using the instrument,please read this manual carefully,and save it well for future using.

USERS MANUAL

Temperature & Humidity Meter



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120*90mm

1. Description

Digital thermometer and humidity meter, using portable design, temperature and humidity synchronous display, high-performance sensor accurate measurement, has the characteristics of stable performance, high sensitivity, safety and reliability, fast response speed and other characteristics.

It is suitable for measuring and monitoring the temperature and humidity of grain storage, warehouse management, agriculture, forestry,animal husbandry,medical and health care,laboratories, public and household environments,and is an ideal testing unit.

WET wet-bulb temperature refers to the lowest temperature that the current environment can achieve only by evaporating water.

DW under the condition of constant water vapor content and air pressure in the air, the temperature at which air is cooled to saturation is called dew-point temperature.

2. Safety information

⚠ Before operating or maintaining this unit, please read the following information carefully and use the unit according to the operating instructions, otherwise it may be damaged.

2.1 Preparation:

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

2.2 Use:

* During measurement, avoid violent vibration of the unit.
* The unit should work within the specified environmental temperature and humidity range.
* During use,if there is any abnormality or failure,it should be stopped.
* Do not store or use instruments in direct sunlight, hot, extremely humid environments.
* Do not use it for a long time in an environment with humidity over 90%.

2.3 Signs:

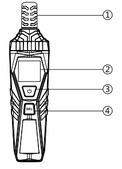
Symbol	Describe
⚠	For important safety information,see the instruction manual.
CE	Comply with relevant EU laws and regulations.

2.4 Maintenance:

* Non-professional maintenance personnel are forbidden to open, adjust or repair this unit.
* If the unit is stored for a long time, please remove the battery to prevent the battery from leaking and corroding the unit.
* If the unit has dust stains, please wipe it with a clean and wet soft cloth. Solvents or abrasives are prohibited.
* If the screen show( ), the battery power is insufficient. To avoid the influence of insufficient power on the measurement results, please replace the battery immediately.

3. Components

3.1 Product description:



1.Probe

2. LCD display

3. Power button

4. SEL mode conversion button

3.2 Display Description:



Symbol	Description
WET	wet-bulb temperature
DW	dew-point temperature
°C	degree Celsius
°F	fahrenheit
%RH	Humidity unit
	Low battery

4. Operating Guide

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

2.Start the normal temperature and humidity environment measurement mode by default after start-up.

3.Short the SEL button to switch DW (dew-point temperature) measurement mode, and short press the SEL button again to switch WET (wet-bulb temperature) measurement mode.

4.Long press the SEL button to convert between °C and °F.

5.The backlight of this unit automatically lights up by pressing any button, and automatically turns off after 30 minutes.

5. Optimum environment of relative humidity (for reference only)

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

6. Specifications

Operational altitude	2000m
Monitor	LCD
Sampling rate	About 1 second
Automatic shut-down	No
Operation current	About 1.4mA(Backlight extinguished)
Power supply	1.5V×2AAA
Temperature measuring range	-20～60°C/±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
Humidity measuring range	0 ~ 99%RH/5%RH (no condensation environment)
Resolution	0.1%RH/0.1°C/0.2°F
Size	168mm×43mm×25mm
Weight	About 70g (excluding the batter)

7. Replace the battery

① Turn off the power supply of the unit.

② Use a screwdriver to remove the battery cover screws on the back of the unit.

③ Remove the battery cover.

④ Remove the old battery.

⑤ Replace with a new 1.5V × 3AAA battery.

⑥ Install the battery cover and tighten the fixing screws.

8. Accessories

① Digital Hygrothermograph	1 Digital
② 1.5V x 3AAA Batteries	2 Pieces
③ Product Manual.	1 Product