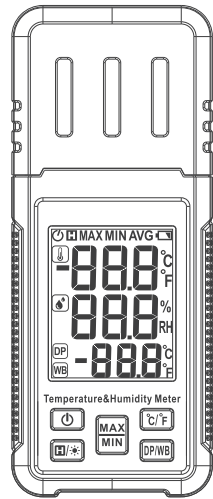


User manual HD-303

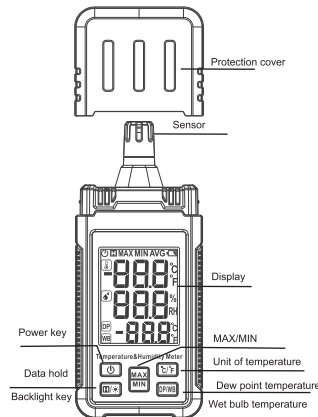
Temperature&Humidity Meter



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

Introduction

The temperature and humidity meter is a battery-powered instrument that uses a high-precision temperature and humidity sensor to measure relative humidity and temperature. Can also display wet bulb temperature and dew point temperature.



2

Display screen



symbols	description	symbols	description
	Auto power off		Data hold
MAX	Maximum value	MIN	Minimum value
°C	Celsius	RH%	Humidity unit
°F	Fahrenheit		Low battery
	Ambient temperature		Ambient humidity
DP	Dew point temperature	WB	Wet bulb temperature

3

Operation

When moving a meter from one temperature/humidity limit to another, wait for a period of time for the meter to stabilize.

Measurement

1. Open the protection cover of the meter.
2. Press the button to turn on the power.
3. After the power supply is turned on, the ambient temperature, humidity, dew point temperature, or wet bulb temperature are displayed on the LCD.
4. Read the measured value after the indicator becomes stable.
5. Press the button to turn off the power.

Dew point temperature/wet-bulb temperature display switch

Press the button to switch between dew point temperature and wet bulb temperature display.

Data hold

Press the button to enable the data retention function. Press the button again to turn off the data hold function and return to the

4

normal measurement function.

Backlight

Press the button and hold it for more than 2 seconds to enable or disable the backlight function.

MAX/MIN function

Press the button to enable the maximum and minimum functions, and then press the button to display the maximum and minimum values. Press and hold for about 2 seconds to return to normal measurement function.

Temperature unit selection

Press the button to shift the temperature unit, °C or °F.

Automatic Power Off

When the instrument is turned on, the symbol is displayed. The automatic shutdown function is turned on by default. If there is no operation within 30 minutes, the meter will automatically shut down.

If you need to cancel the automatic shutdown function, press and hold the button before turning on the instrument, then press the

5

button to turn on the power of the instrument, release the button after turning on the instrument, and cancel the automatic shutdown if the symbol is not displayed.

Restart the instrument after shutdown to restore the automatic shutdown function.

Specifications

Ambient temperature	Range: -20.0°C ~ 60.0°C(-4.0°F~140.0°F) Accuracy: 0.0°C ~ 45.0°C(32°F ~113°F): ±1.0°C/2.0°F others: ±1.5°C/3.0°F Resolution: 0.1/1
Ambient humidity	Range: 0.0% ~99.9%RH Accuracy: 20%~ 80%: ±3.0%RH; others: ±4.0%RH Resolution: 0.1
Wet bulb temperature	Range: -20.0°C ~ 60.0°C(-4.0°F~140.0°F) Accuracy: 0.0°C ~ 45.0°C(32°F ~113°F) ±1.0°C/2.0°F others: ±1.5°C/3.0°F Resolution: 0.1/1
Dew point	Range: -50.0°C ~ 60.0°C(-58.0°F~140.0°F)

6

temperature	Accuracy: 0.0°C ~ 45.0°C(32°F ~113°F): ±1.0°C/2.0°F others: ±1.5°C/3.0°F Resolution: 0.1/1
Auto power off	30minutes
Power	3 x 1.5VAAA batteries

Maintenance

Battery replacement

When the meter shows the symbol "", please replace the battery in time.

1. Unscrew the battery cover, and then open the battery cover.
2. Remove the batteries from the battery compartment.
3. Install the new battery correctly according to the positive and negative marks on the bottom of the battery compartment.
4. Reinstall the battery cover and fasten the screws to secure it.

Cleaning

Caution
To avoid damaging the case, do not use corrosive agents or solvents to clean the instrument.

Wipe the shell regularly with detergent or a

7

damp cloth and detergent.

HTCTM

INSTRUMENTS

EMC&LVD

