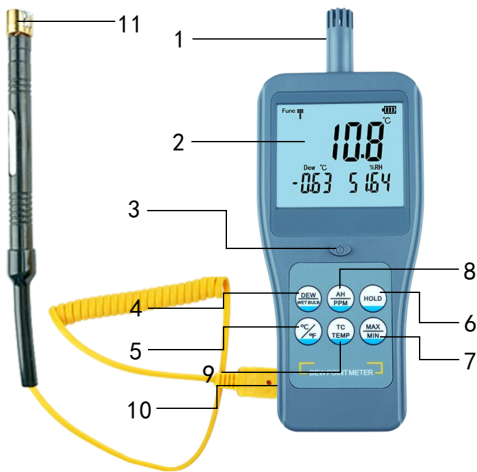


Thermocouple Dew Point Sensor

User's Manual

Descriptions



- 1 Sensor

2 LCD

3 Power/Backlit Key

4 Dew/Wet Key

5 °C/°F Key

6 HOLD Key

7 MAX/MIN Key

8 AH/PPM Key

9 Surface Temp. Key

10 TC Connector

11 TC Probe

Specifications

Display	LCD	
Test Parameters	Ambient Temperature, Dew Point Temperature, Wet Bulb Temperature, Relative Humidity, Absolute Humidity,	
Ambient Temperature	Range	-30~120°C (-22~248°F)
	Accuracy	±0.4°C (90~120°C) ±0.2°C (60~90°C) ±0.1°C (20~60°C) ±0.2°C (-30~20°C)
	Resolution	0.01 (<100) 0.1 (Other)
Relative Humidity	Range	0~100%RH
	Accuracy	±1.5%RH (0~80%RH) ±2%RH (Other)
	Resolution	0.01
Dew Point Temperature	Range	-45~120°C (-49~248°F)
	Resolution	0.01 (<100) 0.1 (Other)
Wet Bulb Temperature	Range	-20~40°C (4~104°F)
	Resolution	0.01 (<100) 0.1 (Other)
Absolute Humidity	Range	0~400g/m³
	Resolution	0.01 (<100) 0.1 (Other)

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Introduction

It is a professional digital dew point sensor. It is able to measure Ambient Temperature, Dew Point Temperature, Wet Bulb Temperature, Relative Humidity, Absolute Humidity, PPM, Surface Temperature. It can quickly respond to temperature and humidity measurements in the industrial range. It is also capable of measuring temperature and humidity in a variety of complex environments. Widely used in spraying industry, workshops, warehouses, libraries, offices, computer rooms, laboratories and other environmental temperature and humidity monitoring occasions.

Features

- Large LCD with display. It can display three values at the same time.
- Support multi-parameter measurement of ambient temperature, dew point temperature, wet bulb temperature, relative humidity, absolute humidity, PPM, surface temperature.
- Temperature unit (°C/°F).
- 0.01 high resolution.
- High accuracy.
- With maximum, minimum function.
- With data hold function.
- With battery indication function.
- With automatic power off function.

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Note:
When the measured dew point temperature is lower than -20°C, please calibrate it yourself to ensure the accuracy of the measurement.

Instruction

- **Power On:** press and hold the [Power/Backlit] key.
- **Power Off:** press and hold the [Power/Backlit] key for 3 seconds.
- **Backlit On/Off:** short press the [Power/Backlit] key to turn on the backlit. And short press the [Power/Backlit] key again to turn off the backlit.

Dew Point Measurement

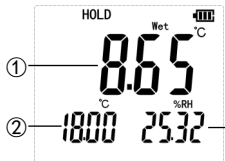


- ①Dew Point Temp.

②Ambient Temp.

③Relative Humidity

Wet Bulb Measurement



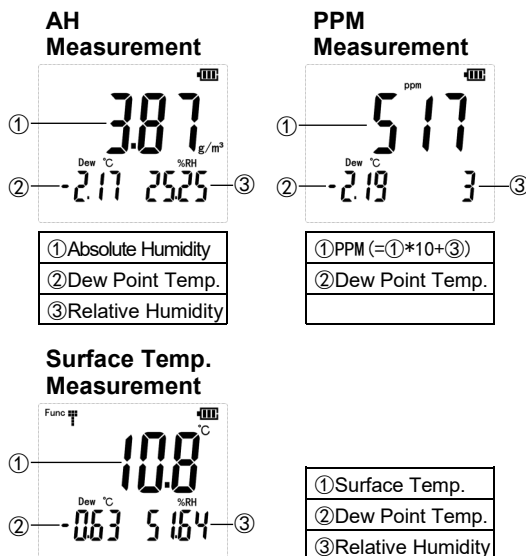
- ①Wet Bulb Temp.

②Ambient Temp.

③Relative Humidity

- **Enter the Measurement Interface:** after powering on, it will enter the **Dew Point Measurement Interface** automatically.
- **Dew Point/Wet Bulb Measurement Interface:** short press the **[DEW/WET]** key to switch between dew point measurement interface and wet bulb measurement interface.
- **AH/PPM Measurement Interface:** short press the **[AH/PPM]** key to switch between absolute humidity measurement interface and ppm measurement interface.
- **Surface Temperature Measurement Interface:** short press the **[TC TEMP]** key to enter the surface temperature measurement interface. And short press the **[TC TEMP]** key again to exit the surface temperature measurement interface.
- **Unit:** short press the **[°C/°F]** key to switch between Celsius Degree (°C) and Fahrenheit Degree (°F).
- **Data Hold:** short press the **[HOLD]** key to hold the displayed value, and the 'HOLD' symbol will appear on the LCD. And short press the **[HOLD]** key again to release the displayed value, and the 'HOLD' symbol will disappear.
- **Maximum/Minimum:** short press the **[MAX/MIN]** key to display the maximum value, and the 'Max' symbol

will appear on the LCD. And short press the **[MAX/MIN]** key again to display the minimum value, and the 'Min' symbol will appear on the LCD.



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Battery Replacement

1. When the indication " " symbol appears on the display, it means low battery and needs to replace batteries timely.
2. Open the battery cover and remove the old batteries.
3. Replace the new batteries correctly according to "+" and "-" in the battery compartment.
4. If the meter will not be used for a long time, please remove the batteries to prevent the batteries from rot and damage the meter.

Cleaning

To avoid damage, do not use abrasives or solvents for cleaning the meter. Do not disassemble the meter without authorization, the wrong method will cause man-made damage.

Services

If you want to know more services, please contact sales.

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