

HT-4616

**MEDIDOR TEMPERATURA HUMEDAD Y
PUNTO ROCIO**



User's Manual

1st Edition' 2018

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Statements

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The user manual may be changed in the future without notice.

Safety statements

⚠ Caution

“⚠”sign shows what will cause damage to the temperature and humidity meter.

Please be careful of the operation when using the tester, incorrect operation or operation steps maybe cause damage to the temperature and humidity meter or to the equipment.

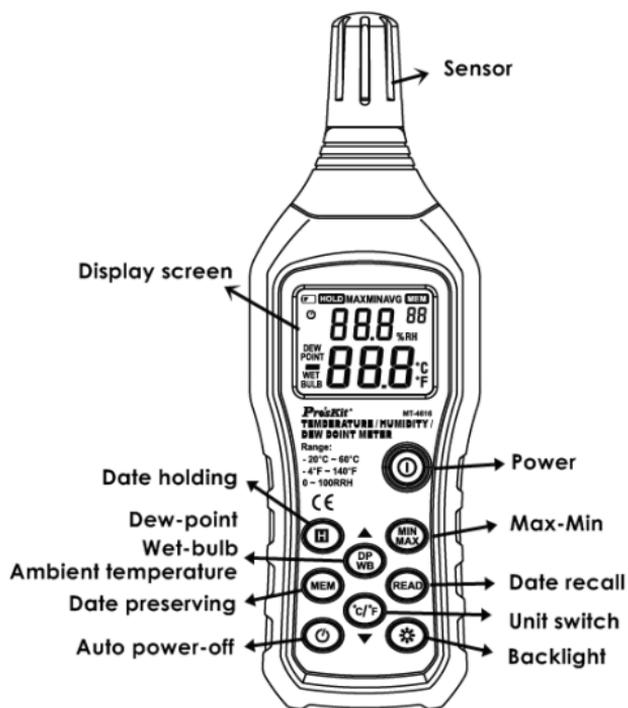
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⚠ Warning

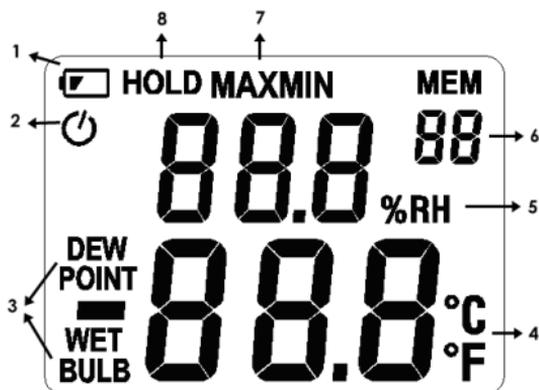
“⚠”sign shows that there is danger of electric shock,serious injury or death .The case or operation may result in personal injury to the users. If these conditions are not met or you don't fully understand how to operate the temperature and humidity meter, please don't continue any operation with warning sign indicating.

Brief Introduction

This is a battery powered meter for measuring relative humidity and temperature. It can display three types of temperatures around the sensor's area via several convenient procedures: Ambient temperature, Dew-point temperature and Wet bulb temperature.



Display Screen



NO.	explanation
1	Low battery
2	Automatic power-off mark
3	Display wet bulb temperature or dew-point temperature
4	Temperature measurement unit
5	Relative humidity measurement unit
6	MEM, RAM position number
7	Max-min
8	Hold function activated. The screen freezes the current reading

Operation

Notice

When moving the meter from one atmosphere with extreme temperature or humidity to another, you need to wait for it to stabilize. Press  to start the meter and read the measurements displayed by °C or °F. Press  to switch.

Dew-point & Wet-bulb

When starting the meter, the ambient temperature appears on the screen. To obtain DP, press a first time  and press  for a second time, WB is switched. Press  a third time, to get the ambient temperature back. A corresponding signal will be shown on the screen indicating DP and WB.

Holding

Hold the button Press  to freeze the current reading, and stop the meter from displaying the measurements. When the HOLD function is active, the screen displays **HOLD**. To continue reading the measured value, press  again.

Max-min

Pressing , Max-min is set up, and max updates constantly, press  again, it is min. The two stations can be switched. If turned off, you need to press  for two seconds; a sound shows that this function has been turned off. Max means that the peak of temperature and humidity, while min is the lowest reading.

Saving and transferring the measurements

This meter is able to save 99 groups reading for transferring. Press  to save the reading, and its location displays at the screen's upper right corner. After two seconds, the meter comes back to the normal state; If RAM is filled fully, the meter will cover the stored data from No.1 RAM and keep the reading.

When transferring the saved figure, press  to enter MEM check-up. At this time,  and  are used to change the page. To exit it, press  again. In the state of check-up, press  for five seconds and "00" is displayed at the screen's right upper corner, which means RAM is cleared.

Automatic power-off

To prolong the life-span of the battery, this meter offers an automatic power-off function, and it shuts down after 30 minutes of no use. Just press  if setting it for longer measurement, and  disappears. Do it again, the automatic power-off is on.

The backlight

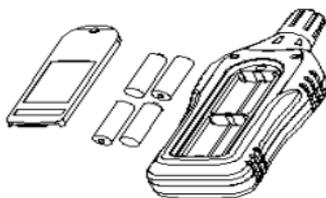
Press  to start the backlight, press  again to turn off the backlight. If starting without automatic power-off, it will close after 15 seconds.

Maintenance

Replace the batteries

The meter is charged with four 1.5(AAA type) batteries. When  appears, the batteries should be replaced as soon as possible. Follow the instructions:

1. Unscrew the top of the entrance.
2. Remove the batteries out.
3. Install four unused AAA batteries in accordance with polarity described on the bottom.
4. Replace the lid and fasten the screw.



Specification

Ambient temperature

Range: -20 to 60°C (-4 to 140°F)

Precision: $\pm 1.0^{\circ}\text{C}$ (0 to 45°C) / $\pm 1.5^{\circ}\text{C}$ (-20 to 0°C, 45 to 60°C)

Resolution: 0.1°C/°F

Update rate: 400ms

Sensor's type: High-Precision digital sensor

RH

Range: 0 to 100%RH

Accuracy: $\pm 3.0\%$ RH (20% to 80%) / $\pm 4.0\%$ RH (0% to 20%, 80% to 100%)

Resolution: 0.1%

Update rate: 400ms

Sensor's type: High-precision digital sensor

WB

Range: -20 to 60°C (-4 to 140°F)

Precision : $\pm 1^{\circ}\text{C}$ (0 to 45°C) / $\pm 1.5^{\circ}\text{C}$ (-20 to 0°C, 45 to 60°C)

Resolution: 0.1°C/°F

Update rate: 400ms

DP

Range: -50 to 60°C (-58 to 140°F)

Precision : $\pm 1^{\circ}\text{C}$ (0 to 45°C) / $\pm 1.5^{\circ}\text{C}$ (-50 to 0°C, 45 to 60°C)

Resolution: 0.1°C/°F

Update rate: 400ms

RAM: 99 data point

Power: 4 AAA batteries

Weight: 190g (batteries included)

Size: 184mm×60mm×29mm