EMC&LVD

Temperature & Humidity Meter

User Manual

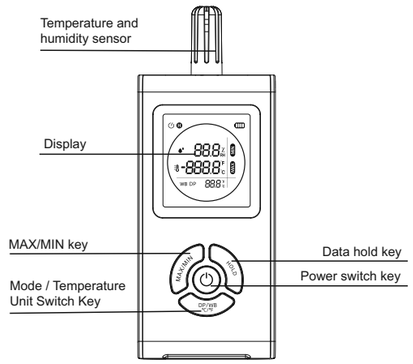


EN-00321-01

Please read this manual carefully before using the meter and keep it properly for future reference.

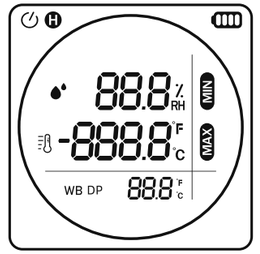
Introduction

Featuring a compact and portable design, this high-precision device provides real-time simultaneous display of temperature and humidity. Equipped with an advanced industrial-grade sensor, it ensures accurate measurements, excellent stability, high sensitivity, fast response, and reliable performance.



Display

Display symbols	Explanation	Display symbols	Explanation
	Auto power off	H	Data HOLD
MAX	Maximum value	MIN	Minimum value
°C	Celsius	RH%	Humidity unit
°F	Fahrenheit		Battery level
WB	Wet bulb	DP	Dew point temperature
	Ambient humidity		Ambient temperature



Operation

A. Precautions

- When the meter is moved to an environment with different temperature or humidity conditions, allow it to acclimatize for at least 30 minutes before taking measurements.

B. Taking Measurements

1. Press and hold the “ ⏻ ” button for 2 seconds to turn the meter on. Press and hold it again to turn the meter off.
2. After start-up, the meter enters normal temperature and humidity measurement mode by default.
3. Toggle between wet bulb temperature and dew point temperature display by pressing the “ DP/WB °C/°F ” key.
4. Long press the “ DP/WB °C/°F ” key to switch between C and F temperature units.

C. Data Hold

Press the HOLD button once to activate the data hold function.

Press it again to return to normal measurement mode.

D. Max/Min

1. Press the “MAX/MIN” key once to put the meter in MAX/MIN mode. The meter will now display the highest reading that occurs while the function is enabled. The “MAX” icon will appear in the display.
2. Press the “MAX/MIN” key again to display the lowest reading that occurs while the function is enabled. The “MIN” icon will appear in the display.
3. Long press the “MAX/MIN” key to return to normal measurement function.

E. Wet Bulb/Dew Point Temperature

Press the “DP/WB” key to switch between wet bulb temperature and dew point temperature display.

F. Auto Power Off

1. This meter has function of Automatic Power Off. The figure “ ” displayed on LCD indicates this function is enabled.
2. To cancel this function, follow the steps. Before turning on this meter, press “ DP/WB °C/°F ” and keep holding. Then press “ ⏻ ” by another finger. Finally release both buttons at the same time to turn on this meter. “ ” will not be shown on display which means Automatic Power Off has been cancelled.
3. When this meter is restarted, Automatic Power Off will be enabled again.

G. Technical Specifications

Ambient temperature	Range: -20°C ~ 60°C (-4°F ~ 140°F) / 0.1°C (0.1°F)
	Accuracy: 0°C ~ 45°C: ±1.0°C; Other: ±1.5°C
Ambient humidity	Range: 0.0% RH–99.9% RH / Resolution: 0.1%
	Accuracy: 20% ~ 80%: ±3.0% RH; Other: ±4.0% RH
Wet bulb temperature	Range: -20°C ~ 60°C (-4°F ~ 140°F) / 0.1°C(0.1°F)
	Accuracy: 0°C ~ 45°C: ±1.0°C; Other: ±1.5°C
Dew point temperature	Range: -50°C ~ 60°C (-58°F ~ 140°F) / 0.1°C (0.1°F)
	Accuracy: 0°C ~ 45°C: ±1.0°C; Other : ±1.5°C
Auto Power Off	10 minutes
Battery	3×1.5V AAA alkaline batteries
Size	58.6 × 27.6 × 149 mm

H. Three-color LCD Display

Color	Green	Yellow	Red
Temperature (°C)	< 35°C	35°C – 40°C	≥ 40°C
Temperature (°F)	< 95°F	95°F – 104°F	≥ 104°F

Press any key to turn on the backlight. It will turn off automatically after 2 minutes without any operation.

Maintenance

A. Battery Replacement

When the battery voltage is low, the symbol “ ” will appear on the display.

1. Remove the rear battery cover and open the battery compartment and replace three 1.5 V AAA batteries.
2. When installing the batteries in the battery compartment, please pay attention to the positive and negative poles.
3. After completion, ensure that the compartment cover is firmly secured.

B. Meter Cleaning

⚠ CAUTION

1. Do not use corrosive agents or solvents to clean the meter to avoid damage.
2. Clean the instrument regularly using a soft cloth slightly dampened with detergent or a dedicated cleaning solution.