

# DIGITAL THERMO-HYGROMETER



Read this owners manual thoroughly before use!

## INTRODUCTION

This unit is a multifunction meter which can measure temperature and humidity. It can display current time and date, and determine whether the environment is comfortable, too wet or too dry. Alarm function, temperature unit selection, storage of max. and min. temperature and humidity values are available. It is very useful and easy to use.

## FUNCTION

- Current time and date display
- Time alarm function
- 12/24 hours clock
- °C/°F temperature
- Relative humidity and relevant comfort degree
- Real time indications of temperature and humidity fluctuation.

## SPECIFICATION

Working Temperature: -10°C ~ 50°C

Storage Temperature: -10°C ~ 60°C

Temperature Resolution: 0.1°C

Temperature Precision: ±1.0°C

Relative Humidity Measurement Range: 20%~ 90%

Humidity Resolution: 1%

Sampling Rate: Once every 10 seconds

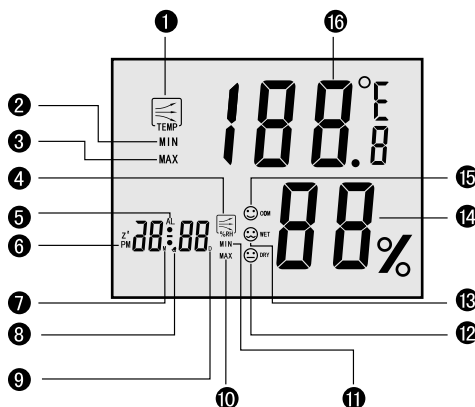
**Resetting Response:** The display lights up for about 3 seconds, the built-in buzzer beeps.

**Battery:** 1.5V AAA single

**Size:** 108mmX101mmX23mm

**Weight:** about 130g(include battery)

## LCD INDICATOR MEANING



1. Temperature fluctuation indicator
2. Min. temperature
3. Max. temperature
4. Humidity fluctuation indicator
5. Alarm set time or alarm setting mode indicator
6. Post Meridien (indicator in 12 hours mode clock)
7. Month
8. Alarm function enabled
9. Day
10. Max. humidity
11. Min. humidity
12. Environment is too dry
13. Environment is too wet
14. Relative humidity value
15. Environment is comfortable
16. Temperature value

## BRIEF DISCRIPTION FOR BUTTON FUNCTION

### Reset

Cancel all settings and make the meter return to the original state.

### Mode

- Change between current time and date modes.
- Enter time setting mode.
- Select the desired reading to be adjusted.

### Set Alm

- Adjust the twinkling reading.
- Disable or enable time alarm function.

### Alm/Clear

- Display the alarm set time.
- Enter the alarm setting mode.
- Erase the currently displayed max. or min. temperature and humidity readings.

### °C/°F

- Change the temperature's unit between °C and °F.
- Change the meter between a 12 and a 24 hours clock.

### Max./Min.

- Display the max. or min. temperature and humidity.
- Make the unit return to current temperature and humidity mode.

## OPERATION INSTRUCTION

**Note:** Every paragraph is independent.

The two flashing dots between hour and minute readings on LCD indicate the current time mode.

### 1. RESET

Press **RESET** to erase all settings and the meter returns to the original state( the original time—12:00 in 24 hours clock mode, the original date—1-01, first January).

### 2. TIME, DATE AND SETTING

Make sure that the meter is in current time mode.

- Press **Mode** to change between current time and date modes. If the meter is in date mode, it will return to current time mode 8 seconds later automatically.

- To enter time setting mode, press and hold **Mode** until the hour reading twinkles, any twinkling reading can be adjusted by pressing **Set Alm**( or hold **Set Alm** for fast scroll). In this mode, press **Mode** to step through the selections: hour > minute > month > day > exit.  
If you do not operate the meter for 8 seconds, it will return to current time mode.

### 3. ALARM FUNCTION

In the current time or date mode, press **Set Alm** to disable or enable time alarm function. When the time alarm function is enabled, "🔔" appears on the LCD.

### 4. ALARM SET TIME AND SETTING

To display the alarm set time, just press **Alm/Clear**, and then "AL" appears.

To enter alarm setting mode, press and hold **Alm/Clear** until the hour reading of alarm set time twinkles, press **Set Alm** to adjust a twinkling reading( or hold **Set Alm** for fast scroll).

In this alarm setting mode, press the **Alm/Clear** to step through the selections: hour > minute > exit.

### 5. ALARM

After the time alarm function is enabled, the meter will beep for one minute on the alarm set time set by you, you can make the meter stop beeping by pressing any button.

### 6. TEMPERATURE AND RELATIVE HUMIDITY

Normally, the LCD shows the current temperature and relative humidity.

Press **Max./Min.** to display the max. temperature and relative humidity values since the previous max. temperature and relative humidity values were erased. "**MAX**" appears as an indication. Press **Max./Min.** again to display the min. temperature and relative humidity values since the previous min. temperature and relative humidity values were erased. "**MIN**" appears as an indication. Press **Max./Min.** once more to display the current temperature and relative humidity values.

When the display is showing the max. or min. temperature and relative humidity values, you can press **Alm/Clear** to erase the currently displayed values, 3 seconds later the meter returns to current temperature and relative humidity mode.

### 7. TEMPERATURE UNIT

In the current clock or date mode, pressing °C/°F button will switch the temperature reading in °C or °F.

### 8. 12/24 HOURS CLOCK

In the current clock mode, press and hold °C/°F button for 2 seconds to change between a 12 and a 24 hours clock, meanwhile the meter will beep as an indication(in the 12 hours clock mode, "PM" may appear on LCD.)

### 9. INDICATION FUNCTION

- Comfort degree indication  
When the temperature is between 20°C and 26°C(68°F~78.8°F), meanwhile the relative humidity is between 40% and 70%, the LCD will show "☺COM", it means that the environment is comfortable.  
When the relative humidity is between 70% and 90%, the LCD will show "☺WET", it means that the environment is too wet.  
When the relative humidity is between 20% and 40%, the LCD will show "☺DRY", it means that the environment is too dry.  
There will be no any face icon shown if the humidity is between 40% and 70% with the current temperature out of the range of 20°C~26°C(68°F~78.8°F).
- Overrange indication  
When the relative humidity is less than 20%, the LCD will show "Lo%".  
When the relative humidity is more than 90%, the LCD will show "Hi%".
- Temperature and humidity fluctuation indications  
If the current temperature is higher than the temperature of the previous period(a period is 10 seconds), the symbol "↗" appears.  
"→" means the current temperature is same as the previous period's temperature. "↘" means the current temperature is lower than the previous period's temperature.  
By the same method mentioned above, humidity fluctuation is also indicated.



### TIP

When a reading twinkles, you can press **Set Alm** to adjust it. The meter will return to the current clock mode from any other mode if you don't operate it for 8 seconds.



### NOTE

Whenever the meter fails, press **RESET** first. If **RESET** button doesn't function, replace the battery with a new one of the same type(1.5V AAA).

The meter's working temperature is between -10°C and 50°C, please know it.



### DISPOSAL OF THIS ARTICLE

Dear Customer,  
Please help avoiding refuse.

If you at some point intend to dispose of this article, then please keep in mind that many of its components consist of valuable materials, which can be recycled.

Please do not discharge it in the garbage bin, but check with your local council for recycling facilities in your area.

