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› Mengshen MS-TH03 Digital Indoor/Outdoor Thermometer Hygrometer User Manual

Mengshen MS-TH03

Mengshen MS-TH03 Digital Indoor/Outdoor Thermometer Hygrometer

USER MANUAL

Model: MS-TH03 | Brand: Mengshen

1. Introduction

The Mengshen MS-TH03 is a digital thermometer and hygrometer designed to monitor both indoor and outdoor temperature and humidity levels. It features a large LCD display for easy reading, a clock function, and memory for maximum and minimum values. This device is suitable for various environments including homes, offices, and greenhouses.



Figure 1: Mengshen MS-TH03 Digital Thermometer Hygrometer

This image shows the Mengshen MS-TH03 unit mounted on a wall, displaying current indoor and outdoor temperature, humidity, and the time. The device is white with a black display, positioned above a bedside table with pillows and books.

2. Product Features

- Large LCD screen for clear display of indoor/outdoor temperature and humidity.
- Simultaneous display of temperature, humidity, and time.
- Memory function for MAX and MIN measured values.
- Clock and calendar function (month and date).
- Selectable temperature units: Celsius (°C) or Fahrenheit (°F).
- Selectable time display: 12-hour or 24-hour format.
- Versatile installation: tabletop stand or wall-mountable.

3. Package Contents

Please check the package for the following items:

- 1 x Mengshen MS-TH03 Digital Thermometer Hygrometer
- 1 x 1.5V AAA Battery
- 1 x User Manual (English)
- 1 x Display Stand (integrated)

4. Setup

4.1 Battery Installation

1. Locate the battery compartment on the back of the unit.
2. Open the battery compartment cover.
3. Insert one 1.5V AAA battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

4.2 Placement

The device can be placed on a flat surface using its integrated stand or mounted on a wall using the hanging hole.

- **Tabletop Placement:** Extend the stand located on the back of the unit and place it on a stable, flat surface.
- **Wall Mounting:** Use a screw (not included) to hang the unit through the designated hanging hole on the back.



Figure 2: Back View of the Device

This image displays the rear of the Mengshen MS-TH03, showing the battery compartment, the foldable stand, the hanging hole for wall mounting, cooling vents, the reset button, and the °C/°F switch.

4.3 Outdoor Sensor Placement

If your model includes an external sensor cable, position the sensor outdoors in a shaded area, protected from direct sunlight and rain, to ensure accurate outdoor temperature readings. Route the cable carefully to avoid damage.



Figure 3: Outdoor Sensor Placement Example

This image shows the Mengshen MS-TH03 unit placed on an indoor windowsill, with its thin white external sensor cable extending outside through the window to measure outdoor temperature.

5. Operating Instructions

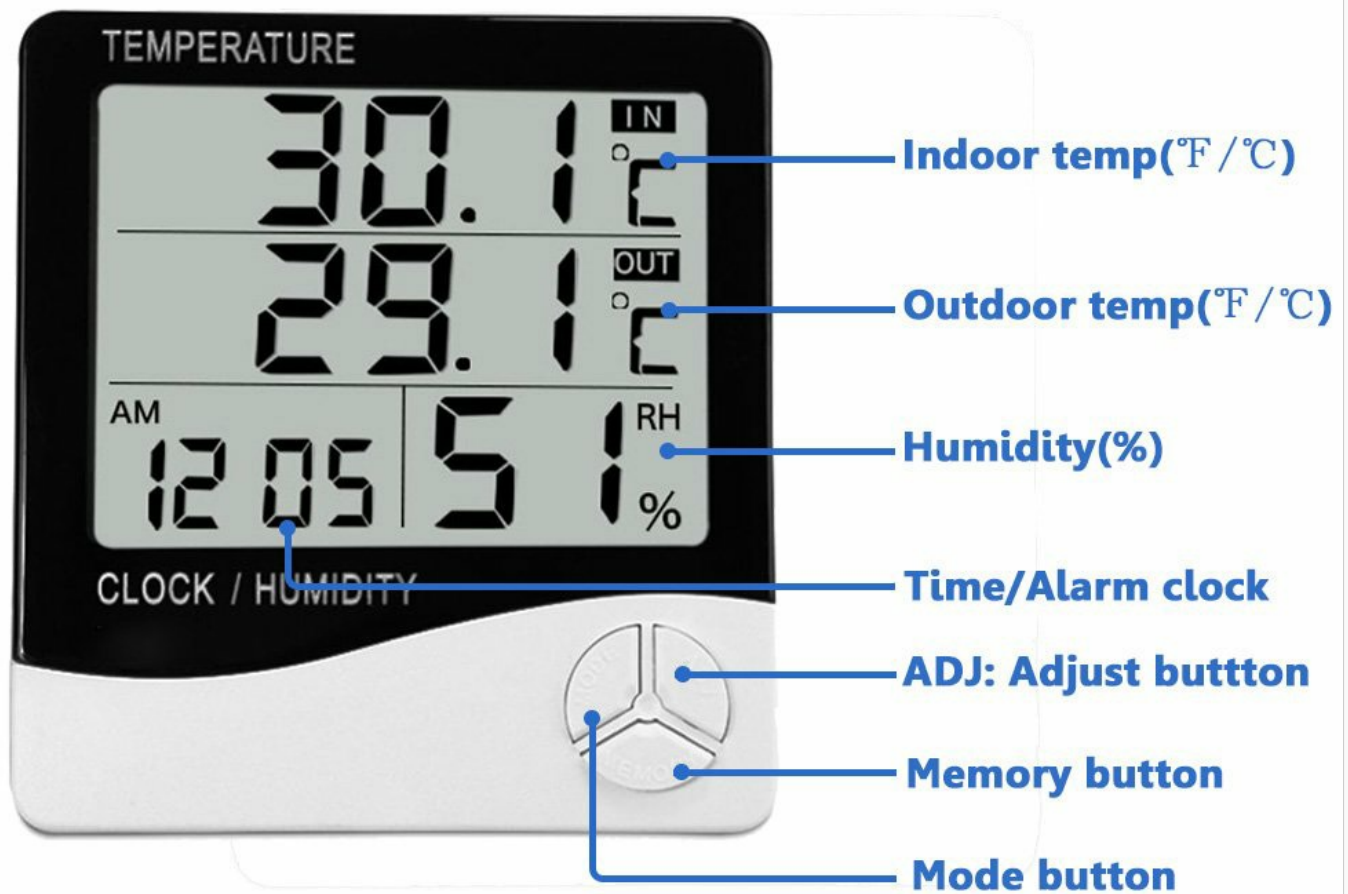


Figure 4: Device Display and Buttons

This image provides a detailed view of the Mengshen MS-TH03's LCD screen and control buttons. It labels the indoor temperature, outdoor temperature, humidity percentage, and time/alarm display areas. The three buttons at the bottom are identified as the Adjust button (ADJ), Memory button, and Mode button.

5.1 Display Overview

- **IN:** Indicates indoor temperature.
- **OUT:** Indicates outdoor temperature (measured by external sensor).
- **RH%:** Indicates relative humidity.
- **CLOCK/HUMIDITY:** Displays current time and can be used for alarm settings.

5.2 Button Functions

- **MODE Button:** Press to cycle through display modes: Time, Alarm, Date. Hold to enter setting mode for Time/Date/Alarm.
- **ADJ Button:** Used to adjust values when in setting mode. Press to switch between 12/24 hour format or °C/°F.

- **MEMORY Button:** Press to display MAX/MIN temperature and humidity records. Press again to cycle through MAX, MIN, and current values. Hold to clear MAX/MIN records.

5.3 Setting Time and Date

1. Press the **MODE** button until the time is displayed.
2. Hold the **MODE** button for approximately 3 seconds until the hour digit flashes.
3. Press the **ADJ** button to adjust the hour.
4. Press the **MODE** button to confirm the hour and move to the minute setting.
5. Repeat steps 3 and 4 for minutes, year, month, and date.
6. Press the **MODE** button to exit setting mode.

5.4 Setting Alarm

1. Press the **MODE** button until the alarm time is displayed (usually indicated by an alarm icon).
2. Hold the **MODE** button for approximately 3 seconds until the alarm hour digit flashes.
3. Press the **ADJ** button to adjust the alarm hour.
4. Press the **MODE** button to confirm and move to the alarm minute setting.
5. Repeat steps 3 and 4 for alarm minutes.
6. Press the **MODE** button to exit setting mode.
7. To activate/deactivate the alarm, press the **ADJ** button when the alarm time is displayed. An alarm icon will appear/disappear on the screen.

5.5 Switching °C/°F

On the back of the unit, locate the small switch labeled °C/°F. Slide the switch to select your preferred temperature unit.

6. Maintenance

- Clean the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the unit in water.
- If the display becomes dim or unresponsive, replace the AAA battery.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity for prolonged periods.

7. Troubleshooting

- **No display or faint display:** Check battery polarity, replace with a new AAA battery.
- **Inaccurate readings:** Ensure the device is placed away from direct heat sources, vents, or open windows (for indoor readings). For outdoor readings, ensure the external sensor is properly positioned and protected.
- **Buttons not responding:** Try removing and reinserting the battery to reset the device.

8. Specifications

Feature	Specification
Temperature Range	-50°C to +70°C (-58°F to 158°F)
Humidity Range	10% RH to 99% RH
Temperature Accuracy	±1°C (±1.8°F)
Humidity Accuracy	±5% RH (for 30%~70% RH)

Feature	Specification
Temperature Resolution	0.1°C (0.2°F)
Humidity Resolution	1% RH
Power Source	1 x 1.5V AAA Battery
Product Dimensions (L x W x H)	98 x 105 x 23 mm (approx. 2 x 9.3 x 2.01 cm)
Weight	150 Milligrams (0.15 grams)
Display Type	LCD
Material	Plastic
Storage Conditions	-20°C ~ 60°C / 20 ~ 80% RH

9. Warranty and Support

Mengshen products are manufactured to high-quality standards. For any questions, technical support, or warranty claims, please refer to the contact information provided with your purchase or visit the official Mengshen website.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

