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Mengshen TH02

Mengshen TH02 Digital Indoor Hygrometer Thermometer User Manual

Model: TH02

1. INTRODUCTION

The Mengshen TH02 Digital Indoor Hygrometer Thermometer is designed to accurately measure and display indoor temperature and humidity levels. This device also features a clock and calendar function, providing essential environmental data and time information at a glance. It is suitable for various indoor environments such as homes, offices, greenhouses, basements, cars, and baby rooms.

2. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x Mengshen TH02 Digital Hygrometer Thermometer
- 1 x 1.5V AAA Battery
- 1 x English User Manual

3. KEY FEATURES

- **Simultaneous Display:** Shows temperature, humidity, and time concurrently on a large LCD screen.
- **MAX/MIN Memory:** Records and displays the maximum and minimum measured temperature and humidity values.
- **Clock and Calendar:** Includes a digital clock and calendar function (month and date).
- **Versatile Placement:** Designed for both desktop placement using its retractable stand and wall hanging.
- **Accurate Readings:** Provides precise measurements for indoor conditions.

4. SETUP

4.1 Battery Installation

The Mengshen TH02 requires one 1.5V AAA battery for operation. Follow these steps to install the battery:

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover downwards to open the compartment.
3. Insert the AAA battery, ensuring the correct polarity (+ and - terminals match the markings inside the compartment).
4. Slide the battery compartment cover back into place until it clicks securely.



Image: Open battery compartment on the back of the device, indicating where to insert the 1.5V AAA battery.

4.2 Device Placement

The Mengshen TH02 offers flexible placement options:

- **Desktop Placement:** Extend the retractable stand located on the back of the unit to place it upright on any flat surface.
- **Wall Mounting:** Use the hanging hole on the back of the device to mount it on a wall using a nail or screw (not included).



Image: The back of the Mengshen TH02 unit, illustrating the retractable stand for desktop placement and a hanging hole for wall mounting.

5. OPERATING INSTRUCTIONS

5.1 Display Overview

The large LCD screen displays the following information:

- **Temperature:** Shown in large digits at the top.
- **Humidity:** Displayed as a percentage at the bottom right.
- **Time:** Located at the bottom left, with AM/PM indicator.
- **Date:** (Month and Day) can be viewed by pressing the ADJ button in time display mode.



Image: Front view of the Mengshen TH02 Digital Hygrometer Thermometer, displaying current temperature, humidity, and time. The device features a large LCD screen and control buttons on the front.

5.2 Button Functions

The device has three control buttons on the front:

- **MODE:** Used to switch between display modes (e.g., time, alarm) and enter setting modes.
- **ADJ (Adjust):** Used to adjust values during setting modes or to view date/alarm.
- **MEMORY:** Used to view MAX/MIN temperature and humidity records.

5.3 Setting Time and Date

1. Press the **MODE** button once to enter time setting mode. The hour digits will flash.
2. Press the **ADJ** button to adjust the hour.
3. Press **MODE** again to set the minutes. Press **ADJ** to adjust.
4. Continue pressing **MODE** to cycle through setting the year, month, and day, using **ADJ** to change values.
5. After setting the day, press **MODE** one last time to exit setting mode and return to normal display.

5.4 Temperature Unit Selection (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F):

- In normal display mode, press the **ADJ** button once to toggle between °C and °F.

5.5 Viewing MAX/MIN Readings

The device stores the maximum and minimum temperature and humidity values recorded since the last reset or battery installation.

1. Press the **MEMORY** button once to display the maximum temperature and humidity. The 'MAX' indicator will appear on the screen.
2. Press **MEMORY** again to display the minimum temperature and humidity. The 'MIN' indicator will appear.
3. Press **MEMORY** a third time to return to the current temperature and humidity display.
4. To clear the MAX/MIN records, press and hold the **MEMORY** button for approximately 2 seconds while viewing either MAX or MIN values.

6. MAINTENANCE

6.1 Cleaning

To clean the device, gently wipe the surface with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water, as this can damage the electronic components.

6.2 Battery Replacement

When the display becomes dim or the readings are inconsistent, it is time to replace the battery. Follow the battery installation steps outlined in Section 4.1. Always use a fresh 1.5V AAA battery.

7. TROUBLESHOOTING

- **No Display / Dim Display:** Check if the battery is installed correctly with the right polarity. Replace the battery with a new one if necessary.
- **Inaccurate Readings:** Ensure the device is placed in a stable indoor environment away from direct sunlight, heat sources, or strong drafts, which can affect readings. Allow the device to stabilize for 15-30 minutes after initial setup or relocation.
- **Buttons Not Responding:** Remove and reinsert the battery to perform a soft reset. If the issue persists, the battery might be low.

8. SPECIFICATIONS

Parameter	Value
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% to 70% RH)

Temperature Resolution	0.1°C (0.2°F)
Humidity Resolution	1% RH
Power Supply	1 x 1.5V AAA Battery
Product Dimensions	10.5 x 9.8 x 2.3 cm (approximately 3.9 x 3.6 x 0.9 inches)
Weight	100 g
Material	Acrylonitrile Butadiene Styrene (ABS)



Image: A visual representation of the Mengshen TH02 Digital Hygrometer Thermometer's compact size, measuring approximately 3.6 inches (9.1 cm) in width and 3.9 inches (9.9 cm) in height.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided by your retailer or the manufacturer's official website. Keep your purchase receipt as proof of purchase.

