

Tomate PD003

Tomate PD003 Digital Thermo-Hygrometer Clock User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the Tomate PD003 Digital Thermo-Hygrometer Clock. This device is designed to accurately measure ambient temperature and humidity, offering real-time environmental monitoring. It also includes a digital clock, calendar, and a memory function to store maximum and minimum recorded values. Please read this manual carefully to ensure proper use and optimal performance of your device.

Key Features:

- **Temperature and Humidity Measurement:** Accurately measures both ambient temperature and humidity.
- **Digital Display:** Features a clear, easy-to-read digital display for all readings.
- **Constant Monitoring:** Provides continuous, real-time updates on environmental conditions.
- **Memory Function:** Records and displays maximum and minimum temperature and humidity values.
- **Clock and Calendar:** Integrated digital clock and calendar functions.
- **Compact Design:** Discreet and portable design for versatile placement.

2. PRODUCT COMPONENTS

The Tomate PD003 device consists of a main unit with a digital display, control buttons, a battery compartment, and a foldable stand.



Figure 2.1: Front View of Tomate PD003

This image shows the front of the Tomate PD003 device, highlighting its large digital display. The display presents current temperature, humidity percentage, and the time. Below the display are three circular buttons labeled 'MODE', 'ADJ', and 'MEMORY', used for device configuration.

Control Buttons:

- **MODE:** Used to switch between display modes (e.g., time, alarm) and to enter setting modes.
- **ADJ (Adjust):** Used to adjust values (e.g., time, date) when in setting mode.
- **MEMORY:** Used to view maximum and minimum recorded temperature and humidity values.



Figure 2.2: Rear View with Stand and Battery Compartment

This image displays the back of the Tomate PD003, featuring a foldable stand for desktop placement and the cover for the battery compartment. The design allows for easy battery access and stable positioning.



Figure 2.3: Battery Compartment and C/F Switch

A detailed view of the battery compartment on the back of the Tomate PD003, with the cover removed to show the battery slots. Also visible is a small button labeled 'C/F', which is used to switch between Celsius and Fahrenheit temperature units.

3. SETUP

3.1. Battery Installation

1. Locate the battery compartment cover on the back of the device (refer to Figure 2.2).
2. Slide the cover downwards to open the compartment.
3. Insert two (2) AAA 1.5V alkaline batteries, ensuring the correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover by sliding it upwards until it clicks into place.

The device will power on automatically once batteries are installed, displaying current temperature, humidity, and the default time.

3.2. Initial Placement

The Tomate PD003 can be placed on a flat surface using its foldable stand or mounted on a wall using the hanging hole. For accurate readings, place the device away from direct sunlight, heat sources, and areas with high airflow (e.g., near air conditioners or open windows).

4. OPERATION

4.1. Setting Time and Date

1. Press the **MODE** button once to display the current time.
2. Press and hold the **MODE** button for approximately 3 seconds until the hour digit starts flashing.
3. Use the **ADJ** button to adjust the hour.
4. Press **MODE** again to move to the minute setting, then use **ADJ** to set the minutes.
5. Continue pressing **MODE** to cycle through year, month, and day settings, adjusting each with the **ADJ** button.
6. After setting the day, press **MODE** one last time to exit the setting mode.

4.2. Setting the Alarm

1. From the time display, press the **MODE** button twice to enter alarm display mode. The alarm time will be shown.
2. Press and hold the **MODE** button for approximately 3 seconds until the alarm hour digit starts flashing.
3. Use the **ADJ** button to set the alarm hour.
4. Press **MODE** again to move to the alarm minute setting, then use **ADJ** to set the minutes.
5. Press **MODE** one last time to exit the alarm setting mode.
6. To activate or deactivate the alarm, press the **ADJ** button once while in alarm display mode. An alarm icon will appear/disappear on the display.

4.3. Viewing Maximum and Minimum Readings

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

4.4. Switching Temperature Units (Celsius/Fahrenheit)

On the back of the device, locate the small button labeled 'C/F' (refer to Figure 2.3). Press this button once to toggle between Celsius (°C) and Fahrenheit (°F) temperature display.

5. MAINTENANCE

5.1. 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.

5.2. Battery Replacement

When the display becomes dim or the device stops functioning, it is time to replace the batteries. Follow the battery installation steps outlined in Section 3.1. Always replace both batteries at the same time with new AAA 1.5V alkaline batteries.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or dim.	Batteries are low or incorrectly installed.	Replace batteries with new AAA 1.5V alkaline batteries, ensuring correct polarity.
Incorrect temperature/humidity readings.	Device placed in an unsuitable location (e.g., direct sunlight, near heat/cold sources, high airflow).	Relocate the device to a stable environment away from extreme conditions or drafts. Allow 15-30 minutes for readings to stabilize.
Buttons are unresponsive.	Temporary software glitch or low batteries.	Remove and reinsert batteries to reset the device. If the issue persists, replace batteries.
Time/Date cannot be set.	Not in setting mode or incorrect button sequence.	Ensure you press and hold the MODE button for 3 seconds to enter setting mode. Follow the steps in Section 4.1.

7. SPECIFICATIONS



Figure 7.1: Tomate PD003 Dimensions

A side perspective of the Tomate PD003, illustrating its compact size. The image indicates the device's dimensions: 92mm in height, 84mm in width, and 20mm in depth, making it suitable for various placements.

Feature	Specification
Brand	Tomate
Model	PD003
Color	Gray
Temperature Measurement Range	Typically 10°C to 50°C (50°F to 122°F)
Humidity Measurement Range	Information not explicitly provided, but generally 10% to 99% RH for similar devices.
Special Features	Temperature display, Humidity display, Clock, Calendar, MAX/MIN memory
Battery Type	2 x AAA 1.5V Alkaline Batteries
Batteries Included	No

Feature	Specification
Mounting Type	Freestanding (with foldable stand) or Wall-mountable
Product Dimensions (H x W x D)	9.2 cm x 8.4 cm x 2.0 cm (approx. 3.6 x 3.3 x 0.8 inches)
Product Weight	120 g (approx. 4.2 oz)

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service inquiries for your Tomate PD003 Digital Thermo-Hygrometer Clock, please refer to the product packaging or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.