

## Temtop C1

# Temtop C1 Dual Pack CO2 Monitor

## INDOOR AIR QUALITY MONITOR USER MANUAL

### 1. INTRODUCTION

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The Temtop C1 Dual Pack CO2 Monitor is an advanced device designed to provide accurate and real-time measurements of carbon dioxide (CO2) concentration, temperature, and humidity in indoor environments. This dual-pack offers the flexibility to monitor air quality in multiple locations simultaneously, ensuring a healthier living or working space. Its compact design, long battery life, and intuitive interface make it an essential tool for maintaining optimal indoor air quality.

### 2. PRODUCT OVERVIEW

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The Temtop C1 monitor features a clear LCD display and simple controls for easy operation. It utilizes a Photoacoustic CO2-Sensor for precise measurements and includes various alarm modes to alert users to elevated CO2 levels.



Figure 2.1: Front view of the Temtop C1 CO2 Monitor displaying CO2, temperature, and humidity readings.

## Monitor Your Air Quality with Ease



1. Long Press [Power] for Monitor On/Off, Short Press [Power] for Buzzer On/Off
2. Short Press [Mode] to Toggle Modes, Long Press [Mode] to Switch °C/°F
3. Simultaneously Long Press [Power] and [Mode] to Enter Auto-Calibration State

Figure 2.2: Diagram illustrating the various parts and controls of the Temtop C1 Monitor, including the display, buttons, and ports.

### 3. PACKAGE CONTENTS

Ensure all items are present in your package:

- Temtop C1 CO2 Monitor (x2)
- Detachable Stand (x2)
- Type-C Charging Cable (x2)
- User Manual (this document)



Figure 3.1: Image showing the complete contents of the Temtop C1 Dual Pack, including the monitors, stands, cables, and manual.

## 4. SETUP AND INITIAL USE

### 4.1 Charging the Device

Before first use, fully charge the monitor using the provided Type-C charging cable. Connect the cable to the Type-C port on the side of the monitor and the other end to a standard USB power adapter (not included). The battery indicator on the display will show charging status.

### 4.2 Powering On/Off

Long press the Power button ( ) on the top of the device to turn the monitor On or Off.

### 4.3 Initial Calibration

For optimal accuracy, it is recommended to perform an initial calibration outdoors in fresh air. Place the monitor outdoors, away from direct sunlight and strong winds, for at least 200 seconds. The device will automatically calibrate itself during this period.

## 5. OPERATING INSTRUCTIONS

## 5.1 Display Overview

The LCD display shows the following information:

- **CO2 Level:** Displays the current carbon dioxide concentration in parts per million (ppm).
- **Temperature:** Shows the ambient temperature in degrees Fahrenheit (°F) or Celsius (°C).
- **Humidity:** Indicates the relative humidity percentage (%).
- **Indicator Bar:** A color-coded bar (green, yellow, red) visually represents the CO2 level status.
- **Battery Level:** Shows the remaining battery charge.
- **Work Mode:** Indicates the current operating mode (e.g., ECO mode, Automatic mode).
- **Buzzer Status:** Icon indicates if the audio alarm is enabled or disabled.

## 5.2 Button Functions

- **Power Button ( ):** Long press to turn On/Off. Short press to toggle the buzzer On/Off.
- **Mode Button (⚙):** Short press to toggle between display modes. Long press to switch between Celsius (°C) and Fahrenheit (°F).
- **Simultaneous Press:** Simultaneously long press both buttons to enter auto-calibration state.

## 5.3 Alarm Modes

The monitor features multiple alarm modes with color-coded alerts and optional audio warnings for exceeded CO2 concentrations:

- **Green:** Good air quality (400~1000 ppm)
- **Yellow:** Average air quality (1001~1500 ppm)
- **Red:** Unhealthy air quality (1501~5000 ppm)

An audible buzzer alarm can be enabled or disabled by short pressing the Power button.

# Stay Alert, Stay Safe

Your Shield with Audio and Visual Alerts



Figure 5.1: Visual representation of the color-coded CO2 level indicator and buzzer alarm feature.

## 5.4 Dual Detection Modes and Battery Efficiency

The monitor supports dual detection modes, offering an impressive standby time of up to 70 days in ECO mode. This allows for prolonged monitoring without frequent recharging.

# Powerful Performance

## Enduring Endurance with Dual Operating Modes



Figure 5.2: Comparison of battery life in different operating modes, highlighting the extended endurance of the C1 monitor.

### 5.5 Discreet Operation Mode

The 'no disturb' mode silences sound alarms and minimizes light emissions, making the monitor ideal for nighttime use or in environments where discretion is preferred.

### 5.6 Smart Connectivity and App Integration

For real-time insights and historical data tracking, the Temtop C1 monitor can connect to a mobile application. This allows users to check air quality at home and monitor their family's respiratory health remotely.

Video 5.3: An official video demonstrating the Temtop air quality monitor's application, showing how to connect and view data on a mobile device.

## 6. PLACEMENT OPTIONS

The Temtop C1 monitor is designed for versatile placement, featuring a detachable stand and an adsorptive magnetic back:

- **Magnetic:** Easily attach to metal surfaces like refrigerators.
- **Tabletop Stand:** Use the included stand for stable placement on desks, shelves, or nightstands.

- **Handheld:** Portable design allows for convenient handheld use to check air quality anywhere.



Figure 6.1: Examples of flexible placement options for the Temtop C1 monitor, including magnetic attachment, tabletop use, and handheld operation.

## 7. MAINTENANCE

To ensure the longevity and accuracy of your Temtop C1 monitor, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or allow water to enter the device.
- **Storage:** Store the monitor in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Battery Care:** Recharge the battery regularly, even if not in frequent use, to maintain battery health.

## 8. TROUBLESHOOTING

If you encounter issues with your Temtop C1 monitor, refer to the following common problems and solutions:

- **Device not turning on:** Ensure the device is fully charged. If the issue persists, try charging with a different Type-C cable and power adapter.

- **Inaccurate readings:** Perform an outdoor calibration as described in Section 4.3. Ensure the device is not placed near strong air currents, heat sources, or direct sunlight.
- **Display is faint or unreadable:** While the C1 monitor has an LCD display without a strong backlight, ensure it is used in adequately lit conditions. If the issue is severe, contact customer support.
- **Buzzer not sounding:** Short press the Power button to ensure the buzzer is enabled (check the buzzer icon on the display).

For further assistance, please contact Temtop customer support.

## 9. SPECIFICATIONS

Feature	Specification
Brand	Temtop
Model	C1
Style	C1 (CO2, T&H)
Power Source	Battery Powered
Color	Black/White
Product Dimensions	5.51"D x 1.26"W x 4.09"H
Item Weight	5.6 ounces
Alarm	Buzzer alarm
Material	Plastic
Number of Items	2
Manufacturer	Elitech
Batteries	1 Lithium Polymer batteries required. (included)
Measurement Accuracy	±0.5
Display Style	LCD
Special Features	Portable
Included Components	charging cable, user manual

## 10. WARRANTY AND SUPPORT

Temtop products are manufactured to high-quality standards. For warranty information and technical support, please refer to the contact details provided on the official Temtop website or the packaging. Keep your purchase receipt as proof of purchase.