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› Temtop CO2 Monitor US-C1 PLUS User Manual: Indoor Air Quality with BLE App

Temtop US-C1 PLUS

Temtop CO2 Monitor US-C1 PLUS User Manual

Indoor Air Quality Monitor with BLE App Connectivity

1. INTRODUCTION

The Temtop US-C1 PLUS is a portable indoor air quality monitor designed to provide real-time measurements of Carbon Dioxide (CO2) levels, temperature, and humidity. Equipped with a high-precision Sensirion CO2 sensor and Bluetooth Low Energy (BLE) connectivity, this device allows for convenient monitoring and data management via a dedicated mobile application. Its compact design and long-lasting battery make it suitable for various indoor environments such as homes, offices, and schools.

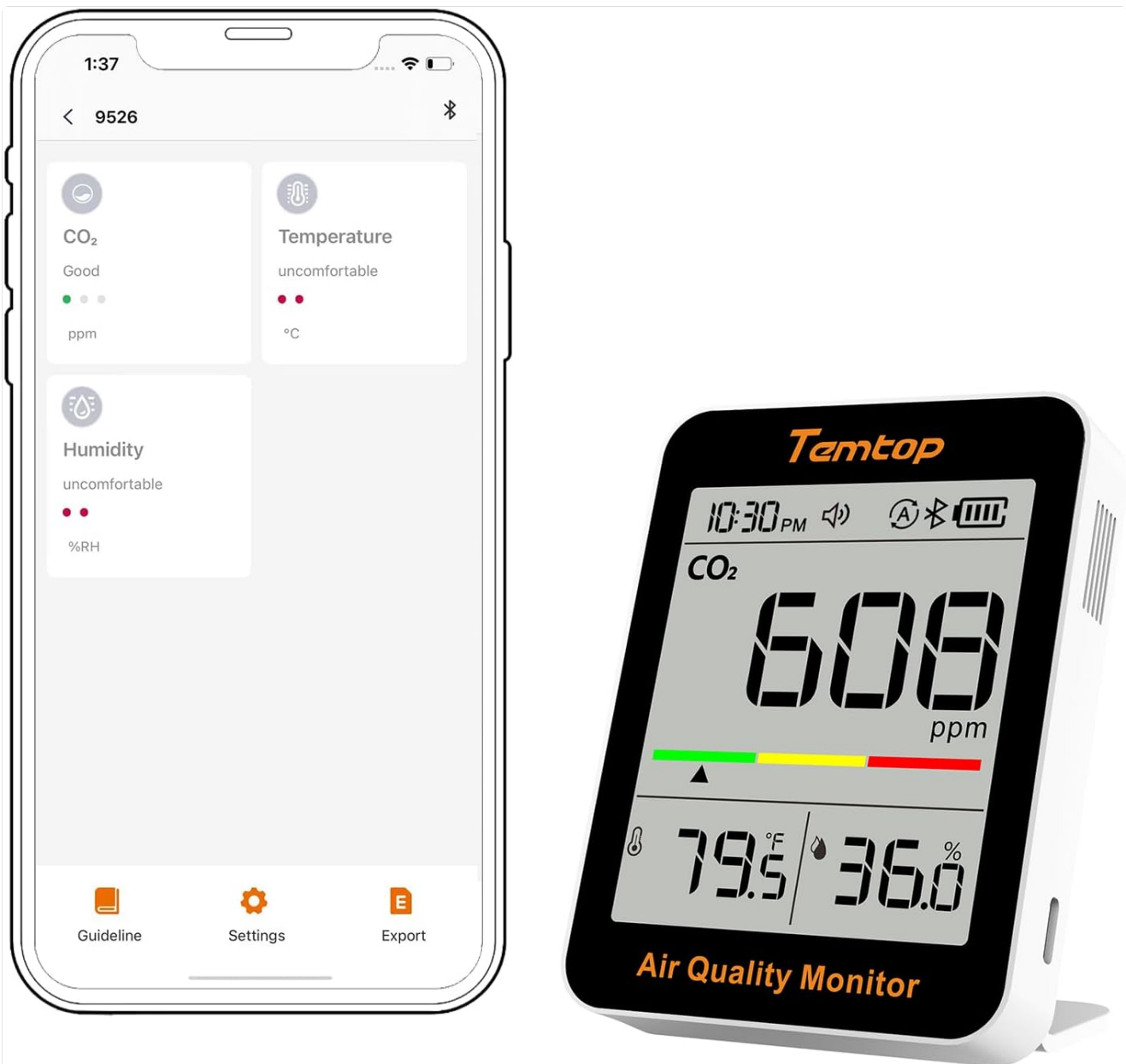


Figure 1: Temtop US-C1 PLUS device and its mobile application interface.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Temtop US-C1 PLUS CO2 Monitor
- User Manual
- Type-C Charging Cable
- Detachable Stand

Temtop

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Figure 2: Included components: Temtop C1+ monitor, user manual, detachable stand, and Type-C charging cable.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the device using the provided Type-C charging cable. Connect the cable to the device's Type-C port and a standard USB power adapter (not included). The device features an 800mA lithium battery.

3.2 Powering On/Off

Press and hold the power button located on the device to turn it on or off.

3.3 App Installation and Connectivity

1. Download the 'Temtop' application from your mobile device's app store (available on App Store and Google Play).
2. Ensure Bluetooth is enabled on your mobile device.

3. Open the Temtop app and follow the on-screen instructions to pair with your US-C1 PLUS monitor. The device uses BLE networking for connectivity.

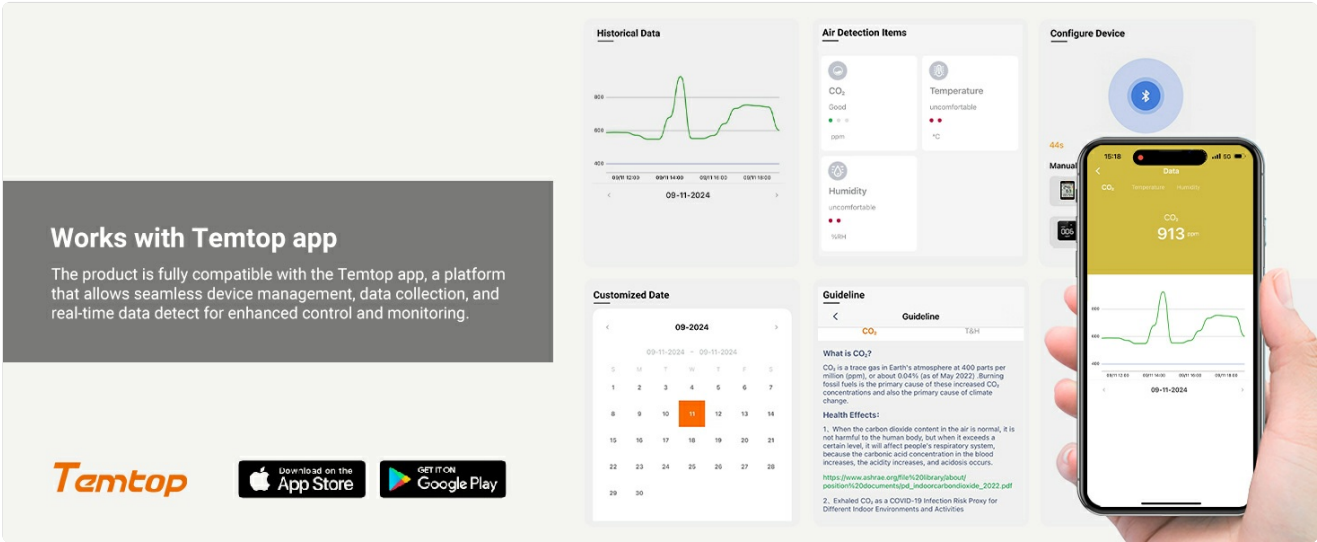


Figure 3: The Temtop app facilitates seamless device management and data collection.

4. OPERATING THE DEVICE

4.1 Display Overview

The 3.3-inch large LCD screen simultaneously displays CO2 levels in parts per million (ppm), temperature (in °F or °C), and relative humidity (%RH). A color-coded indicator provides a quick visual assessment of CO2 concentration:

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



Figure 4: Detailed view of the monitor's display elements.

4.2 Alert Methods

The device provides multiple alert methods for high CO2 concentrations:

- **Color Coding:** The display background color changes according to CO2 levels.
- **Prominent CO2 Number:** The CO2 reading is clearly visible.
- **Optional Buzzer:** An audible alarm can be enabled to notify users when CO2 levels exceed a set threshold.



Figure 5: Visual and audible alerts for high CO2 concentration.

4.3 App Features

The Temtop app offers enhanced functionality:

- **Real-time Monitoring:** View current CO2, temperature, and humidity readings.
- **Historical Data:** Access graphical representations of 24-hour and 30-day historical data.
- **Data Export:** Export historical data as Excel files for further analysis.
- **Settings:** Customize device settings, including alert thresholds and temperature units.

- **OTA Updates:** Receive over-the-air firmware updates to ensure continuous technological improvements.

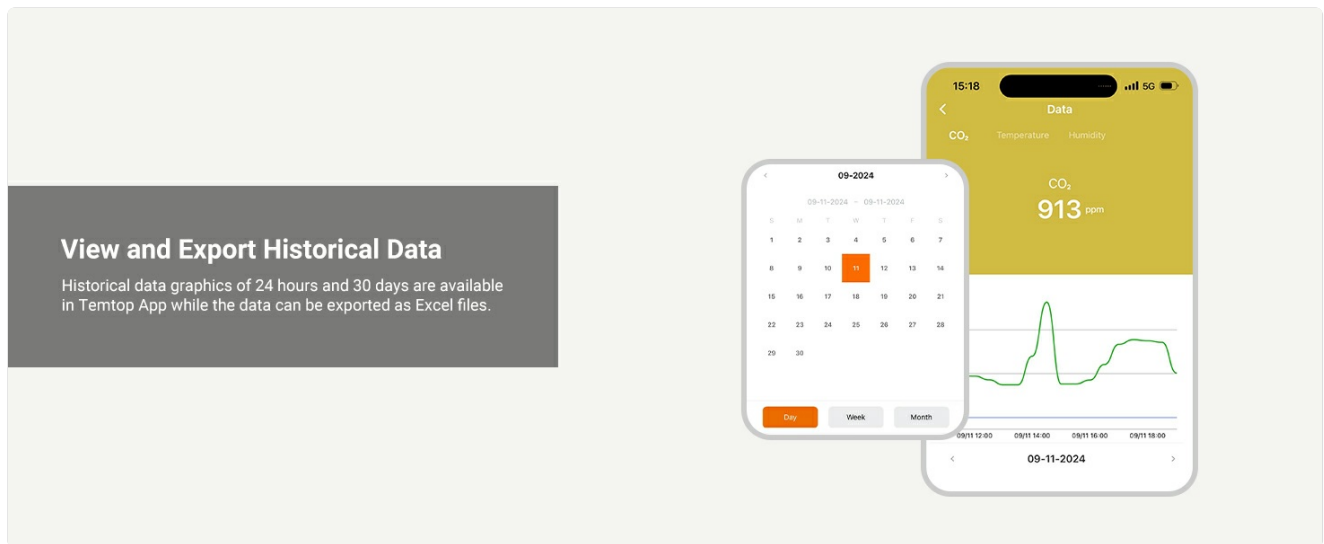


Figure 6: Viewing and exporting historical data through the Temtop app.

4.4 Placement Options

The US-C1 PLUS offers versatile placement options:

- Use the detachable stand for desktop placement.
- Utilize the adsorptive back cover for magnetic attachment to suitable surfaces.

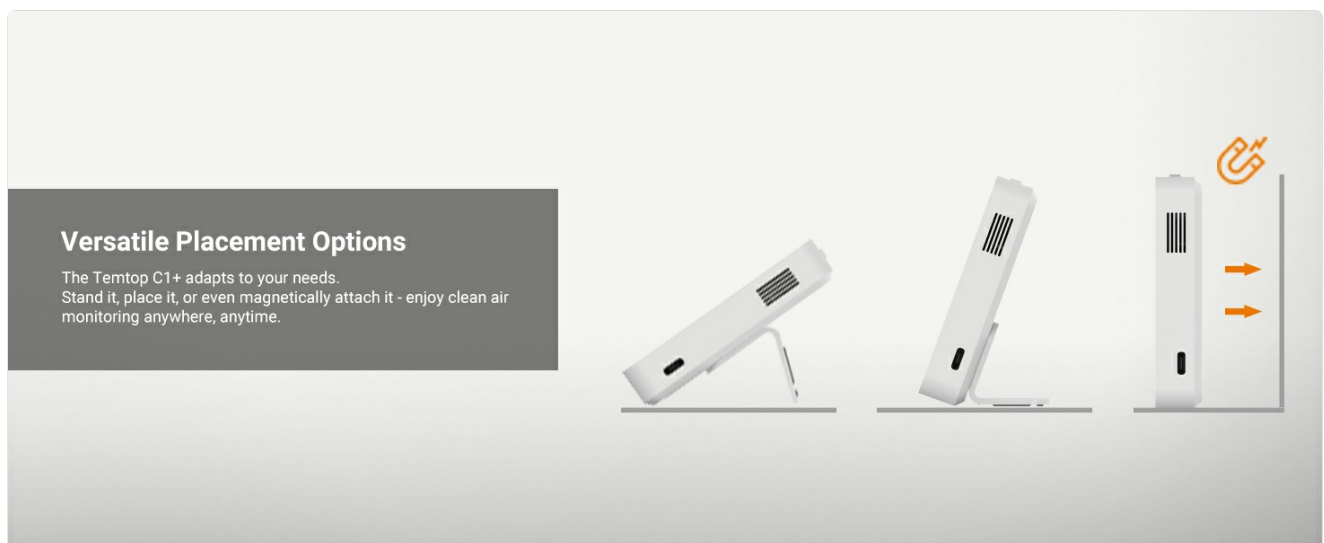


Figure 7: Flexible placement options for the Temtop C1+ monitor.

5. MAINTENANCE

5.1 Calibration

The device may require calibration for optimal accuracy. Refer to the Temtop app or the device's settings for calibration procedures. It is recommended to calibrate the device outdoors in fresh air.

5.2 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.

5.3 Battery Life

The 800mA lithium battery can provide up to 70 days of operation in ECO mode. Battery life may vary based on usage and settings. Recharge the device when the battery indicator is low.

6. TROUBLESHOOTING

- **Device not powering on:** Ensure the device is fully charged. Connect it to a power source using the Type-C cable and try again.
- **Cannot connect to the app:**
 - Verify Bluetooth is enabled on your mobile device.
 - Ensure the device is within Bluetooth range of your phone.
 - Restart both the device and the app.
 - Check app permissions for Bluetooth access.
- **Inaccurate readings:**
 - Perform a calibration outdoors in fresh air.
 - Ensure the sensor is not obstructed.
- **Display is faint or unreadable:** Ensure the device is adequately charged. Adjust viewing angle if necessary.

7. SPECIFICATIONS

Feature	Detail
Model Number	US-C1 PLUS
Brand	Temtop
Power Source	Battery Powered (1 Lithium Ion battery included)
Battery Capacity	800mA
Battery Life (ECO mode)	Up to 70 days
Sensor Type	Photoelectric (Sensirion CO2 sensor)
CO2 Measurement Range	400-5000 ppm
CO2 Accuracy	±(40ppm + 5%)
Display Style	LCD
Alarm	Audible / Visual
Connectivity	BLE (Bluetooth Low Energy)
Item Weight	5.6 ounces
Package Dimensions	5.39 x 4.17 x 1.26 inches



Figure 8: Internal view emphasizing the NDIR Swiss Sensor for accurate CO2 detection.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Temtop website or contact their customer service. Details are typically provided in the product packaging or on the manufacturer's support pages.

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ASK A QUESTION ABOUT THIS MANUAL

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

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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