Temtop

**C1 Series
Air Quality Monitor
User Manual**

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Scannen Sie nach mehrsprachigen Handbüchern und mehr Produktsupport.
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Factors Affecting Air Quality

Carbon dioxide(CO_2) is a colorless and odorless gas usually derived from the breath of humans and animals. High CO_2 concentration means that fresh air or ventilation is required; otherwise, it may cause problems such as drowsiness, dizziness, loss of attention, and cognitive impairment.

Temperature & Humidity may often be ignored. However, they do have a significant impact on an individual's well-being, comfort, health and safety, as well as your property. High Humidity may lead to an increase in household air pollutants, especially the biological contaminants such as molds, bacteria, viruses, and dust mites; cold, low Humidity may cause nosebleeds, skin and respiratory irritations, dyspnea, static electricity, etc.

★ Do not expose the detector to heavily contaminated environments for long periods, as this can damage the sensor.
★ Do not use the detector for long periods in environments with a strong, irritating smell to ensure accurate measurements.
★ Do not dismantle the unit yourself. In the event of a defect, contact your dealer instead, who will liaise with the service center and, if necessary, send the device in for repair.
★ Children should only use this device under adult supervision. Keep packaging materials, such as plastic bags and plastic wrap, out of the reach of children as they present a choking hazard.
★ If the battery level shows ⬜ , please charge the detector in time to avoid being affected during use (it can also recharge when switched off).
★ This product is intended for monitoring the health of the indoor environment only and should not be considered a professional measurement tool.

Overview
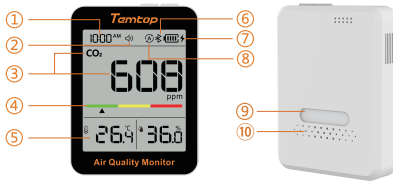
① Time*	② Buzzer status	③ CO_2 level	④ Health level display area
⑤ Temperature & Humidity level			⑥ Bluetooth*
⑦ Battery level & Charging status	⑧ Work mode	⑨ Magnetic back	⑩ Vents

* Only the C1+ has time and Bluetooth.

Overview

⑪ Mode button	⑫ Power button	⑬ USB port
⑭ CO₂ detection port	⑮ Temperature & Humidity detection port	
⑯ Bracket		

Specifications

Model	C1 Series
CO$_2$	Measuring range: 400-5000ppm Resolution: 1ppm Accuracy: ±(40ppm +5%) (400-2500ppm)
Temperature*	Measuring range: -10-60°C (14-140°F) Resolution: 0.1°C Accuracy: ±0.5°C (±0.9°F)
Humidity	Measuring range: 0-99%RH Resolution: 0.1%RH Accuracy: ±3%RH

* When charging the product, the temperature will be ± 0.5 ℃ error and will be recovered in about 10 minutes after the charging is completed.
When the temperature measurement environment suddenly changes, and the temperature difference is significant, it takes 3 to 5 minutes of adaptation time.

Specifications

Dimension	3.5*2.7*0.7 (inches)
Battery Capacity	800mAh
Work Mode*	(ECO) Power-saving mode (Sampling interval 10 min) (A) Performance mode (Sampling interval 1 min)
Battery Life	(ECO) About 70 days (A) About 30 days
Input	5V/1A
Display	Segment code screen 3.3 inches
Weight	About 110g
Operation Environment	-10-60°C/0-90%RH

* When the product is charging, the data will keep refreshing every 5 seconds.

Note: The above data are from Temtop Laboratory.

Operation

1. Button
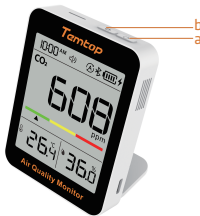
a. Power button ⊙
1) Press and hold ⊙ for 3s to turn on/off the monitor.
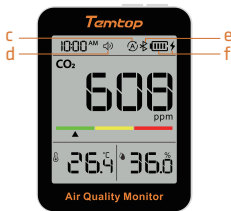2) Click ⊙ to switch the buzzer on/off.

b. Mode button ⊚
1) Press and hold ⊚ 2s to switch between the temperature unit (°F/°C).
2) Click ⊚ to switch operating modes (2 different types).

Note: Press and hold ⊙ and ⊚ simultaneously for 2 seconds to enter calibration.

2.Display

c. Mode Ⓐ or ⓔ𝚌𝚘

Ⓐ Performance mode
 CO_2 sensor works every 1 minutes.

ⓔ𝚌𝚘 Power-saving mode
 CO_2 sensor works every 10 minutes.

Operation

d. Buzzer switch Icon 🔊
   Displayed: Buzzer sound on the device is turned on.
   Not displayed: The buzzer sound is turned off.
   1) The buzzer chirps once when the buzzer function is turned on/off (APP operation is synchronised).
   2) When the buzzer is switched on, the air quality level deterioration sounds twice.

e. Bluetooth Icon ❋
   Displayed: Bluetooth icon is displayed when connected.
   Not displayed: Bluetooth icon is not displayed when disconnected.

f. Battery Level 🔋 and Charging Status ⚡
   1) When the battery is displayed as 🔋 empty, please charge it in time, and the charging icon ⚡ will be displayed when charging.
   2) When the battery power is extremely low, the battery icon 🔋 will flash 3 times and the shut down.

3. CO₂ calibration

Switch on the detector in an outdoor ventilated area; Long press the ⊙ and ⊙ to enter the calibration state, the CO_2 title on the screen flashes, the CO_2 display area starts to count down 200 seconds; the countdown ends, and the calibration is complete.

Note:
1) During manual calibration, the monitor must be exposed to fresh outdoor air (approx. 400 ppm of CO_2) at least 1 meter away from people or animals.
2) In calibration mode, press the ⊙ button to stop calibration mode.
3) Please ensure the power supply is sufficient during the calibration process. If the calibration mode is forcibly excited due to shutdown or power failure, the calibration may fail, and the data will be inaccurate, so you need to re-calibrate.

Press and hold the ⊙ and ⊙ buttons for 2 seconds.

Air Quality Parameter for Reference

CO$_2$ threshold level indication

Green represents a good CO$_2$ level (400 to 1000 ppm)

Yellow represents the average CO$_2$ level (1001 to 1500 ppm)

Red represents an unhealthy CO$_2$ level (1501 to 5000 ppm)

Note: When an increase in CO$_2$ concentration reaches a poorer level range, the buzzer alarm is triggered.

Multiple Mounting Choices

① Place Directly

② Tabletop Stand
(Bracket Included)

③ Magnetic Back

Bluetooth Connection

1. Temtop App
Please search Temtop on App Store or Google Play,
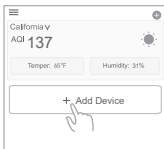or simply scan the QR code below to download the app:


iOS App

Android App

2. Add Device

a. Start adding devices by clicking the '+' sign on the home page of the Temtop application.

b. Enable your phone's Bluetooth with the app, which will automatically detect Temtop devices in range of Bluetooth. Please select the Temtop device you wish to add and click the Add button.

If you have problems connecting your device, bring the device close to your mobile phone and make sure they are close enough to make a successful Bluetooth connection.
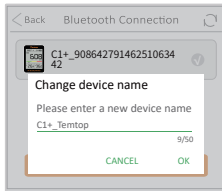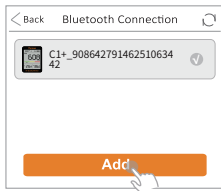
3. APP Main Functions
• Access real-time measurement data.
• View historical data curves.
• Data storage and export.
• Calibrate the device.
• Change device parameter preferences and much more...

Note:
1)When using the app, make sure your device is within the Bluetooth range. Please avoid moving too far away from the device.
2)Due to the upgrading and updating of Temtop APP, the actual operation may be slightly different from the above description, please follow the current guidelines within Temtop APP.

Q: Why can't I receive the verification code when I sign up for an APP account?

A: ① Please check the advertisement mails and spam mails, your mailbox may automatically. classify the CAPTCHA mails into advertisement mails and spam mails.

② Google Mail, Outlook, and other major mailboxes are recommended.

Q: Why can't the APP connect to the device?

A: ① Make sure your phone and device are in the same room and as close to the device as possible.

② Try restarting the device or connecting with another phone.

③ If the issue is still not resolved, please contact our customer service for further support.

FAQ

Q: Why are there two modes?
A: We offer two modes to cater to different usage scenarios. Mode Ⓐ is suitable for situations where real-time monitoring of environmental parameters is needed. It has a higher data collection frequency but shorter battery life. This Mode is best suited for scenarios with frequent ecological changes, such as traveling. For regular usage, we recommend selecting the ⓔ𝒸ₒ mode. The ⓔ𝒸ₒ mode is designed for long-term monitoring, offering a longer battery life but a lower data collection frequency. Choose the Mode that best suits your specific needs.

Q: Why does Mode Ⓐ have a shorter battery life?
A: Mode Ⓐ has a higher data collection frequency, with data being collected every minute. Therefore, it has a relatively shorter battery life.

FAQ

Q: If I need to monitor CO$_2$ data for an extended period continuously, will this impact the device's lifespan?
A: According to Temtop Laboratory's testing, continuous real-time monitoring of CO$_2$ data for an extended period has a negligible impact on the device's lifespan.

Q: Why is CO$_2$ data high?
A: The user's environment may be poorly ventilated, resulting in high CO$_2$ concentration; it is recommended that the user place the product in an outdoor ventilated place for 10 minutes. If the data is still high, the customer is advised to calibrate according to the user manual.

Q: Why is the temperature high when charging?
A: The temperature and humidity sensor is located inside the product. When charging, a large amount of heat will be generated, causing the actual temperature of the product to rise.

What's Included

- Detector x 1

- USB cable x 1

- User manual x 1

- Bracket or accessories set x 1

Warranty

Temtop warrants the included detector for 1 year from the date of original purchase. The item can be exchanged or returned within 30 days if the defect is not caused by artificial damage.

Item	Warranty Period
Detector	1 year included
Accessories	N/A

Before return or delivery for repair, please check if the following √ items are ready:

	Detector & Accessories	Complete Package	Proof of Purchase*	Gift (if any)
Return	√	√	√	√
Exchange	√	√	√	
Repair	√		√	

*Including invoice, order number and etc.

Temtop warranty does NOT include:
• Malfunction or damages caused by artificial damage or modification.
• Other deliberate damages.
• Damage caused by natural events.

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