sparoma

PTH-8 Air Quality Detector-CO2 Meter

User Manual

Please scan the QR code for more service

https://sparoma.afterservice.vip

supportus@sparomaliving.com

About us

sparoma® witnessed the hardships faced by humans who struggle with air pollution,experiencing the harm that caused by the excessive CO2 to humans- Hypoxia Asphyxia. We recognized that it's time to improve individuals' awareness of air pollution, and keep them away from these problems. Let's take some actions, and breath fresh air in the future!

PTH-8 air quality monitor is a CO2 meter that is equipped with an exact NDIR sensor for accurately measuring the CO2 concentration from 400PPM to 5000PPM in the air. Besides, you can place it anywhere due to the small and portable design, which means you can monitor the air quality in your room, baby room, office, or car anytime!

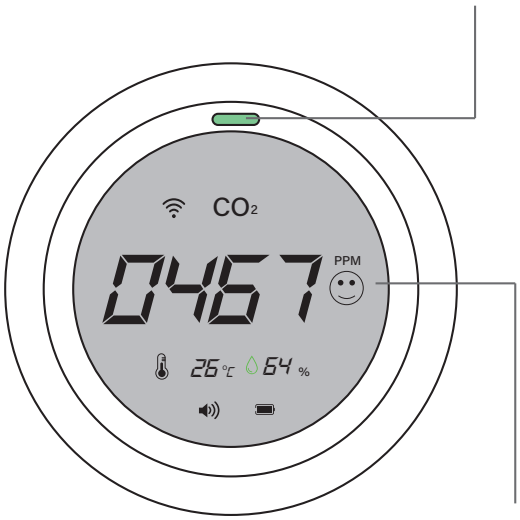
⚠ Special Statement: The illustrations of the products, accessories and user interface in the manual are schematic diagrams, just for reference. If there are any differences between the actual product and the diagrams, please refer to the actual product received. The manufacturer will not notify you separately.

If you have any problems, please contact us with the following information:

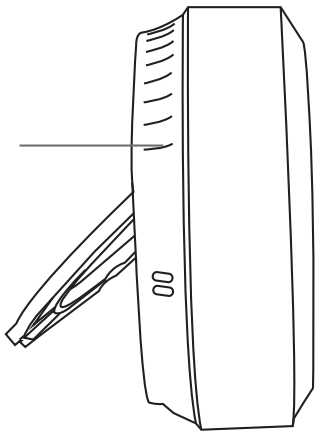
sparoma

supportus@sparomaliving.com

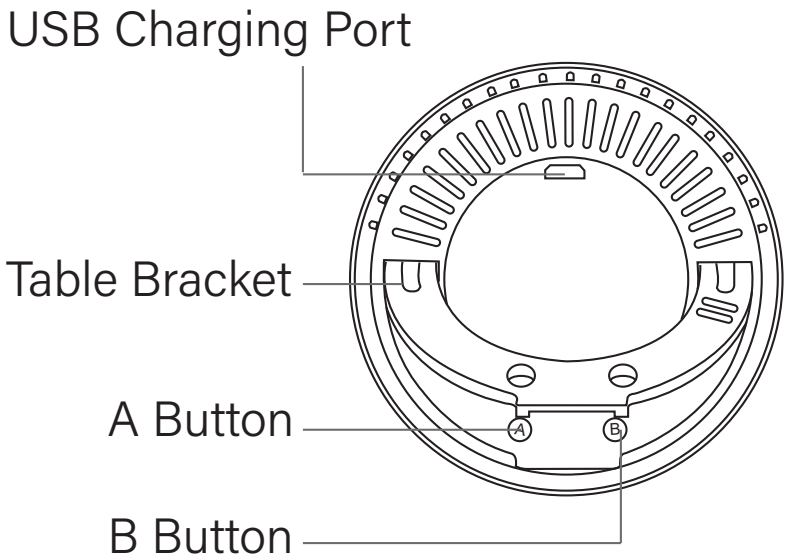
1. Product Structure:



Front



Side



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2. Operating Instruction:

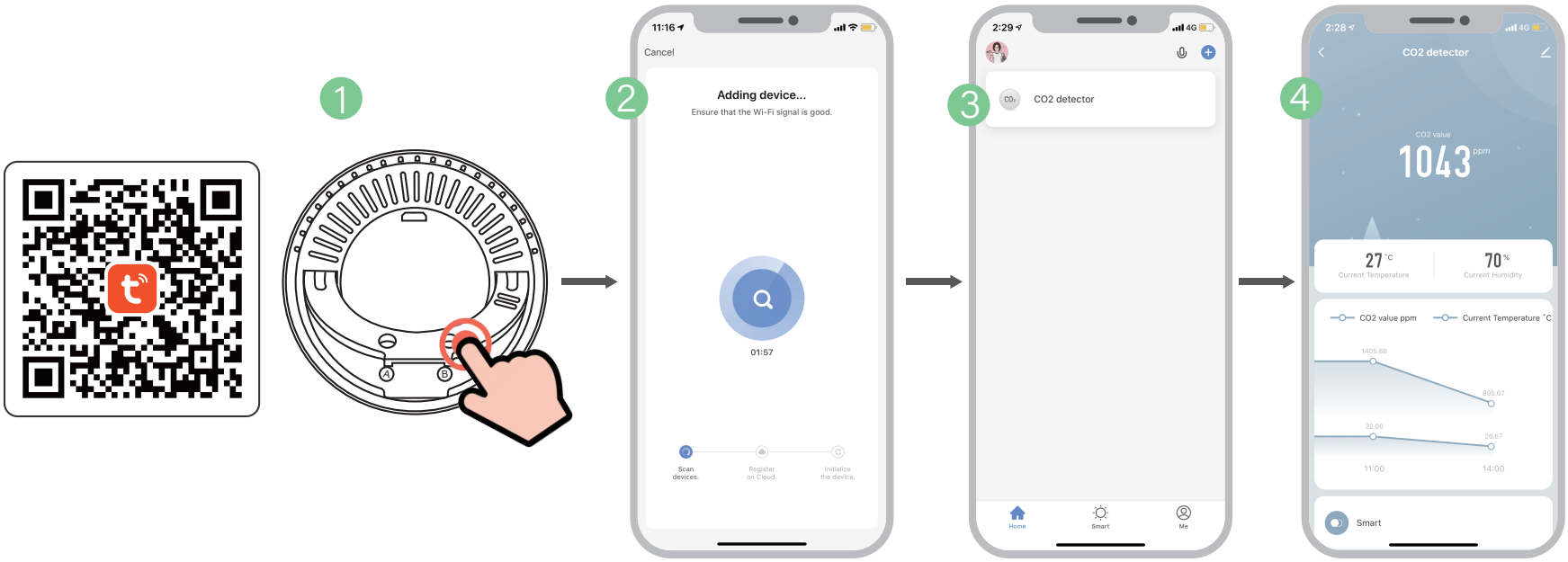
Button	Operation	Definition
A	Short press	Switch temperature units between °C & °F
	Long press	Power on / off PTH-8
B	Short press	Backlight on / off
	Long press	Turn the buzzer on / off
	Double Click	Enter the WiFi connection mode
A&B	Power off and then press A & B at the same time for three seconds	Put it in a ventilated place to perform manual calibration data. Automatic calibration will be completed after 200-second countdown.

Notice：

1. When the screen is off, the light indicator will be in the state of BLN control, and the user can wake up the backlight by pressing the button “B” briefly.
2. The Procedure of Manual Calibration Data:

1) Power off and then press A & B button at the same time for three seconds;
2) Put it in a ventilated place;
3) After counting down 200 seconds, the product will complete the calibration data automatically.

3. Steps for APP Connection:



① Scan the QR code, and download the “**Tuya Smart**” APP.

② Double Click button “**B**” to search the signal.

③ After entering the app interface, register/log in to your account, click "HOME " at the bottom. After switching to the tab, click "+ " in the upper right corner.

④ After entering the search interface, click "**Auto Scan**" to scan and select the device to be searched, and then click “**Next**”.

⑤ Complete the above steps, you can start continuous detecting and intelligent operation.

Notice：

1. Double Click button “**B**” of the product, and wait until " " on the screen of the product starts flashing, indicating that it has entered the networking mode.
2. If there are too many products displayed in the scan list or PTH-8 device cannot be found, you can click "**Add manually**" at the top, and then find the ‘**Socket (WiFi)**’ to next step until the detector is connected.
3. During the process of connection, we need to ensure that the product and the mobile phone are in the same Wi-Fi environment

(**only for 2.4GHz Wi-FiNetwork**).

4. The duration of Tuya cloud storage is 2 years.

5. Once you connect the CO2 meter with your Tuya account successfully, the data will be updated every 10 mins. Besides, the CO2 value changes more than 10ppm, temperature changes more 1℃.humidity value changes more than 5%, the meter updates the latest value as well.

Notice：

This monitor can ONLY connect with one Tuya account, if your family would like to check the data, you can share the data via Tuya APP. But your family MUST register Tuya account first.

4. Battery Indicator:

⚠ Warning: Please charging this CO2 detector with USB 2.0 and 5V ⎓ 1A DC adapter.

⚠ Warning: The length of the USB cable cannot exceed 1 meter if you would like to use other chargers. Please use the qualified USB cable and DC 5V adapter!

In general, the battery can be charged fully within 4 to 6 hours.
For any detailed battery status, please refer to the following table.

LCD Display	Status
Battery	Working
Battery capacity flicking	Charging
Battery frame flicking	Low Battery

5.LED and Emoji Indicator

LED Color	Emoji	Definition
Green	☺	CO2 value is within the qualified range (400-700 PPM).
Yellow	😐	CO2 value is within the qualified range, BUT slightly high, under the alert status (700-1500PPM).
Red	☹	CO2 value is excessive (>1500PPM).

⚠ When the CO2 value exceeds 1500 PPM, not only the led light turns red, but the buzzer also emits the sound like "Di-Di-Di...".

6. Specifications

Dimensions	83*83*32 mm	Weight	0.32 Lbs
Input	DC 5V ⎓ 1A	Battery Capacity	2400 mAh
CO2 Measuring Range	400 PPM- 5000PPM	CO2 Resolution	1 PPM
Temperature Measuring Range	-10°C-40°C(±2°C) 14°F-104°F(±3.6°F)	Humidity Measuring Range	20%~80% (±5% RH)
Sensor	NDIR Sensor	Alert System	Comfort Level& LED Indicator& Buzzer
WIFI Connection	2.4GHz Wi-Fi	APP	Tuya Smart
Included Components:	PTH CO2 Meter x 1, USB 2.0 Line x 1, 18650 Rechargeable Lithium-ion Battery, User Manual		

Notice

1. This product should not be dipped in water, nor should it be placed in a high temperature environment exceeding 60℃.
2. This product is the precisely measuring instrument and shall not be dismantled without authorization.
3. Don't place it for measuring the air in the environment with too-high-concentration organic gas for a long time.
4. It is equipped with lithium battery. When measuring the air quality in the car, please do not put the carbon dioxide detector with lithium battery in the sun.

Warranty:

sparoma® provide our customer with 1-year-limited warranty. If you have any question, please kindly contact us with the following information.

Scan the code or enter the after service website to obtain warranty information.

supportus@sparomaliving.com

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

RF exposure compliance statement:
This device has been evaluated to meet the general RF exposure requirement