User Manual Mini Carbon Monoxide Smart Sensor

Model：Mini600-CO-TB

1. About the Product

This product is a mini portable CO sensor that provides a convenient way to measure surrounding CO concentration, temperature, and humidity in real-time.

This product can not be used alone.

This product connects to a USB terminal on smart phones and allows you to check surrounding environment using a dedicated APP.

Before using it, please download and use the dedicated APP from the manufacturer's website.

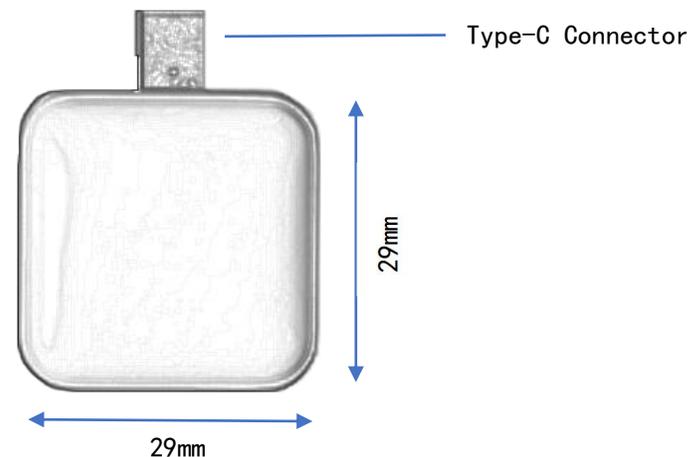This product is powered by the battery of the smart phone.

2. Caution

■ This product should avoid contact with organic solvents (including silicone and other adhesives), coatings, chemicals, oils, and similar substances.

■ Excessive impact or vibration is prohibited during the usage of this product.

■ While this product has a danger warning function, it is important to remain vigilant.

■ If the product is not in use for an extended period, please store it in its packaging.

■ This product is a CO smart sensor for consumer use, not a fixed CO detector. Use it at your own discretion.

3. Specification

Measurement Target	CO, T/H
Measurement Range	0 ~ 1000ppm, -10℃~40℃(Temperature display), 10%~80%(Humidity display)
Working Current	＜5mA (5V)
Working Voltage	5V (Type-C)
Storage Temperature	0℃~30℃,25℃ Recommend
Product Size	38mm x 29mm x 13mm
Product Weight	9.5g

4. Product Description

Type-C Connector

29mm

29mm

5. APP Download

Scan the QR code below to initiate the download and installation of the APP. For the app to function fully, please grant the necessary permissions as prompted.

6. How to Use

①、 Plug the device into the Type-C terminal of your smartphone. The APP will automatically recognize the device and initiate the setup.

②、 Once the initialization is complete, real-time CO and temperature/humidity (T/H) readings will be displayed on the screen.

7. Function Description

i. **Background Monitoring**: This product supports background mode measurement. Upon granting permission, a small window will appear on the smartphone, displaying real-time sensor readings.

ii. **Alert**： The APP will monitor CO concentration and trigger alerts according to the table below.

Results	Status	Indicator
0 ~ 50 PPM	Allowed	Green
50 ~ 200 PPM	Hazardous	Yellow
Above 200PPM	Extremely Hazardous	Red

8. Other

If this product is used for the first time or has been stored for an extended period, a significant amount of gases and impurities may adhere to the sensor. In such cases, a brief initialization period is expected as the product undergoes a self-recovery procedure.

9.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.

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.

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

* RF warning for Portable device:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.
FCC ID:2BFDL-MINI600

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