Instruction Manual

24-03-V3-175

Protect Your Air

It is an advanced carbon dioxide detection instrument built in high-quality Infrared (NDIR) sensor to allow real-time monitoring of carbon dioxide (CO2), temperature and humidity on its digital LED display. Accurate measurement technology and reliable data display allow you to easily understand the changes in carbon dioxide in the air. By monitoring the concentration of carbon dioxide, you can adjust the ventilation system reasonably, improve indoor air quality, and create a healthy and comfortable environment for you and others.

Type-C Charging Port

How To Use

Turn On/Off Monitor

a) Long-press **Power Button** for 3 seconds to turn on / off the monitor.

Note1: If your can't turn on the monitor, please plug in and charge it for a while first.

Temperature Unit

a) The default temperature unit is Celcius(°C).
b) Temperature unit don't support switching.

CO2 Alarm

a) The CO2 alarm value is 1000ppm (ideal range).
b) Long-press **Down Button** to turn on/off the alarm sound.

Note1: The purpose of the CO2 alarm is to notify you right away so that appropriate measures can be taken immediately to decrease the CO2 level (e.g., opening a door/window or stopping the activity that is causing the high reading).

Note2: If you have selected to keep the CO2 alarm, please be aware that the CO2 alarm will automatically stop sounding if the CO2 level decreases, even if the CO2 level is still above the threshold you specified.

CO2 Alarm Threshold

a) CO2 alarm threshold can be adjusted from 800ppm-2000ppm.
b) Double-press **Power Button**, the CO2 value will flash.
Single-press **Up/Down Button** to increase/decrease the alarm threshold, it switches 100ppm each time.
Single-press **Power Button** to complete the adjustment.

Screen Brightness

a) Single-press **Up/Down Button** to increase/decrease the screen brightness.
b) Single-press **Power Button**, the screen is switched to the lowest brightness level, single-press **Power Button** again, the screen is switched to its original brightness level.

CO2 Manual Calibration

a) When the CO2 value is below 1000ppm and stable, long-press **Up Button** for about 8 seconds, and the CO2 value will flash when you hear a beep, and then CO2 sensor starts self calibration.
b) At this state, CO2 value flashes and slowly down to 413, the flashes will stop automatically and finish calibration after flashing lasts for 5 minutes.
c) Do not touch any buttons during calibration.

Auto Save Modification

a) If you make changes and then turn off and turn on monitor again, the all changes you made before turning off will remain unchanged.

Charging

When low battery icon is displayed, the device needs to be charged. Insert the included or another compatible USB charging cable into the device. Attach the other end to a USB DC charger (such as a smart phone charger) that outputs DC 5V at >=1000mA. Fully charge for at least 2-3 hours before use. Avoid charging with a USB computer port which only outputs 500mA.

Prameters

	Measurement Range	Measurement Method	Resolution	Measurement Accuracy
CO2	400 -5000 PPM	Infrared (NDIR)	1 PPM	±50 PPM or 5%
Temperature	-10°C - 50°C 14°F - 122°F	Semiconductor	1°C 1.8°F	±1°C ±1.8°F
Humidity	20% - 85%	Semiconductor	1%	±4%

Air Quality Standard

AQI Level Reference Table :

	Air Quality Leve	CO2(ppm)Average Standard Value	Corlor
CO2	GOOD	400-1000	Green
	NORMAL	1001-2000	Yellow
	POOR	2001-5000	Red

Tips

Tip 1: Strange Readings? Do This:

1. Turn the device off for some time and then turn it on back on again (effectively allowing the monitor to reset). After continuous use for extended periods, the device may simply need to be reset.
2. Open a window or bring the device outdoors to allow the sensor to exhaust any accumulated fumes and to allow the readings to adjust back down to more normal levels.

Tip 2: Not Using It? Turn It Off:

For the most consistently accurate readings and longest product life, it is recommended to turn the monitor off while it is not in use. This will preserve the battery, sensor, and fan.

Tip 3: Open a Window:

Often the quickest and most practical way to get readings back into the desired range is to simply open a window to ventilate more clean outdoor air into your home. This obviously does not apply if you are located in a wildfire area or any other area with compromised outdoor air quality.

Tip 4: Cooking Impacts Air Quality:

Cooking often releases increased amounts of unhealthy pollutants into the air including but not limited to CO2, PM2.5 and 10, and VOCs. Furthermore, how and what you cook determine the types of pollutants which will be released into the air.

Considerations & Precautions

- **Sampling Frequency:**

  The sampling frequency of the monitor is 1.5 seconds.
  This means that your monitor is providing you with updated readings every 1-2 seconds. Please note that, in order to provide constantly-updated, real-time readings, it contains a continuously running mini fan which gives off a very slight buzzing sound.

- Upon turning off the monitor, you will see a brief " Power Off " appear on the screen. This is normal. This is not an error message.

- This air monitor should be used indoors and kept dry at all times. It is strongly recommended to store in a cool, dry place.

- **DO NOT** expose to sunlight or use in an extremely polluted, dusty, or smoky environment for prolonged periods as doing so may damage the sensors over time.

- **DO NOT** cover the air intake areas during use to avoid inaccurate measurements.

- **DO NOT** use chemicals or solvents to clean the product as residual fumes will skew air quality readings.

- **DO NOT** put water or other liquids on or near the product to avoid electrical damage.

- **DO NOT** allow unauthorized modification or repair of this product.

- **DO NOT** take apart or disassemble this monitor. Doing so may damage the product and will invalidate the warranty.

Product Specifications

Item	CO2 Meter
Product Size	130 x 63 x 33mm
Product Weight	209g (7.12 oz)
Display Method	LED Screen
Measuring Item	CO2, Temperature, Humidity
Detection Method for CO2	Infrared (NDIR)
Concentration Unit for CO2	ppm
CO2 Measuring Range	400-5000ppm
Atmospheric Pressure	12.5 PSI - 15.4 PSI
Sampling Time	1.5 Seconds
Temperature Range	-10°C - 50°C (14°F - 122°F)
Storage Temperature	-10°C - 60°C (14°F - 140°F)
Relative Humidity	20%-85%
Humidity Range	20%-85%
Power Source	1600 mAh Rechargeable Lithium Battery. 5V DC Power Charging via Type-C Port

Warning:

While this product can reduce your risk of harm by increasing your awareness of air quality, it can in no way guarantee your health or safety. Please instead take a comprehensive approach to living healthy and do not depend on this monitor alone to improve your health or save your life.

Legal Disclaimer:

The use or misuse of this monitor is conditioned upon the user's agreement that in no event shall the manufacturer, importer, reseller, or distributor of this monitor be liable for any direct, indirect, punitive, incidental, special consequential damages, to property or life, whatsoever arising out of or connected with the use of this monitor.

Product List

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