



PORTABLE AIR QUALITY MONITOR

OPERATING INSTRUCTIONS

English



If you have any questions about the product,
please do not hesitate to contact us at:

contact@lifebasis.com

Portable Air Quality Monitor

Operating Instructions

Product description

When you open the package, please make sure the air quality monitor is intact and the accessories are complete. This product has a built-in battery; please charge it for 5 minutes before using it for the first time. Then, press and hold the multifunction button to turn it on. This avoids battery depletion due to long transportation times and other reasons that might prevent it from turning on. Please calibrate the product before using it.

Box Including

- 1 x Air Quality Monitor
- 1 x Instruction Manual
- 1 x Type-C Cable

Temperature and Humidity Sensor

Sound On Icon

AQI

CO₂

Particles

Up Button

Multifunction
button

Left Button

Battery
Indicator

Temperature

Humidity

PM2.5

TVOC

Alarm indicator
(blinks when
charging)

Right Button

Down Button



Type-C Charging Port

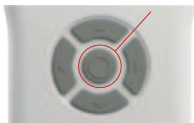


Operating instructions

01. Turn ON:

In the power-off state, press and hold the multifunction Button for 2 seconds. The buzzer will beep, and then the current parameters will display on the screen.

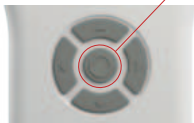
Press and hold



02. Turn OFF:

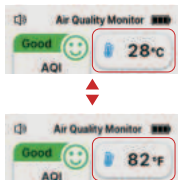
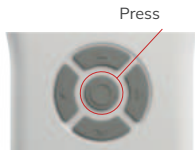
In the power-on state, press and hold the multi-function button to turn off.

Press and hold



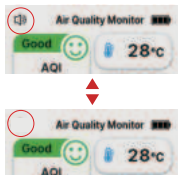
03. Temperature unit switching:

In the power-on state, press the multi-function button once to switch the temperature unit (°C and °F).



04. Sound ON/OFF:

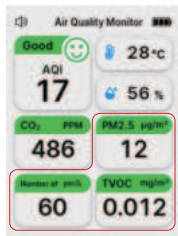
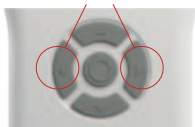
In the power-on state, press and hold the left button to turn the sound ON/OFF.



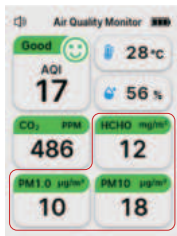
05. Switching display:

Press the left or right button to switch the display. (PM2.5, Particles, and TVOC switch to HCHO, PM1.0, and PM10).

Press either the left or right button



Switch

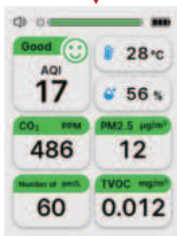
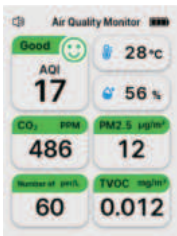
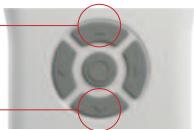


06. Brightness adjustment:

In the main interface, press the up button to increase the brightness and the down button to decrease it.

Increase brightness

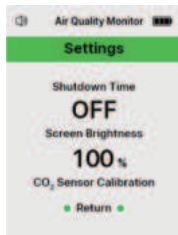
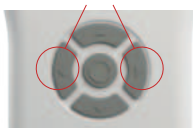
Decrease brightness



07. Entering the Settings Interface:

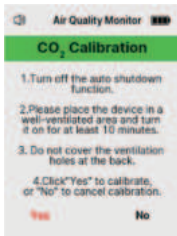
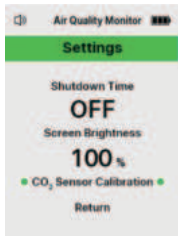
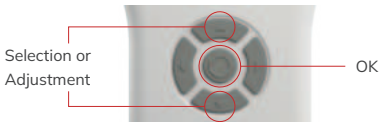
Press and hold the left and right buttons simultaneously to enter the settings interface. Use the up or down button to select an option, and press the multifunction button to confirm.

Press and hold simultaneously

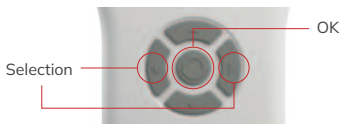


Carbon dioxide calibration settings:

Select “CO2 Sensor Calibration” and press the multifunction button to enter the calibration interface.



When the device is turned on, place it in an environment with a CO₂ concentration of 400 PPM (outdoors or near a window with good air circulation) and leave it there for at least 10 minutes. Then, press the left button on the calibration interface to select "Yes." Press the multifunction button to confirm the selection, and the calibration will complete with a long beep from the buzzer.



STEP 1:

More than 10 minutes in a ventilated position with the power on



Near the window

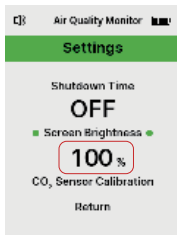


STEP 2:

Select "Yes" in the calibration interface for calibration.

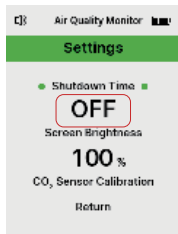
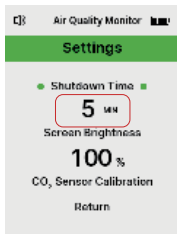
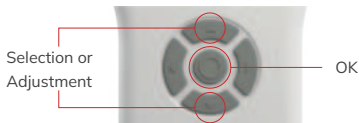
Screen brightness settings:

Select "Screen Brightness," the number underneath will blink. Press the up/down button to select the percentage of screen brightness, and finally press the multifunction button to confirm the selection.



Auto shutdown time setting:

Select "Shutdown Time." The number will blink (or show OFF). Press the up/down button to select the time. When OFF is selected, the automatic shutdown function is disabled. Finally, press the multifunction button to confirm the selection.



Alarm Indicator State

Blinking



Normal state
No light



Alarm status
Always blinking light



Power off charge status
Charging - long light Fully charged - no light



Power on charge status
No light, screen battery indicator blinking



Blinking

Description of each gas concentration level

The gas concentration is classified into 4 levels and displayed numerically (the specific numerical classification is shown in the table below), and the color of the icon corresponding to a single gas changes according to the gas concentration. When any one of the following alarm values is reached, the device will emit a ticking alarm sound and the indicator light will flash continuously.

Default value for AQI alarm: 100;

Default value for CO2 alarm: : 1500 PPM;

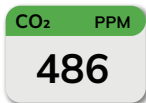
Default value for PM1.0 alarm: 75 $\mu\text{g}/\text{m}^3$;

Default value for PM2.5 alarm: 75 $\mu\text{g}/\text{m}^3$;

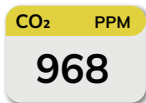
Default value for PM10 alarm: 150 $\mu\text{g}/\text{m}^3$;

Default value for HCHO alarm: : 0.1 mg/m^3 ;

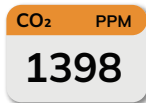
Default value for TVOC alarm: : 0.5 mg/m^3



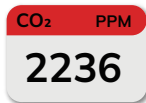
Green : Good



Yellow : Moderate



Orange : Poor



Red : Unhealthy

GAS	AQI	PM1.0
Good	0 ~ 49	0 ~ 34
Moderate	50 ~ 99	35 ~ 74
Poor	100 ~ 149	75 ~ 149
Unhealthy	Above 150	Above 150
Unit		µg/m ³

GAS	PM2.5	PM10
Good	0 ~ 34	0 ~ 49
Moderate	35 ~ 74	50 ~ 149
Poor	75 ~ 149	150 ~ 249
Unhealthy	Above 150	Above 250
Unit	μg/m ³	μg/m ³

GAS	CO ₂	HCHO
Good	400 ~ 799	0 ~ 0.049
Moderate	800 ~ 1199	0.050 ~ 0.099
Poor	1200 ~ 1599	0.1 ~ 0.149
Unhealthy	Above 1600	Above 0.15
Unit	PPM	mg/m ³

GAS	TVOC
Good	0 ~ 0.299
Moderate	0.3 ~ 0.499
Poor	0.5 ~ 0.999
Unhealthy	Above 1
Unit	mg/m ³

Product parameters

CO2 Detection Range	400 ~ 5000 PPM
CO2 Detection Accuracy	$\pm(50 \text{ PPM} + 5\% \times \text{reading value})$
PM1.0/ 2.5/ 10 Detection Range	0 ~ 1000 $\mu\text{g}/\text{m}^3$
PM1.0/ 2.5/ 10 Detection Accuracy	$\pm 10 \mu\text{g}/\text{m}^3$ (0 ~ 100 $\mu\text{g}/\text{m}^3$) $\pm 10\%$ (100 ~ 500 $\mu\text{g}/\text{m}^3$)
HCHO Detection Range	0 ~ 1.999 mg/m^3
TVOC Detection Range	0 ~ 9.999 mg/m^3
Temp Detection Range	0 ~ 50 $^{\circ}\text{C}$
Temp Detection Accuracy	$\pm 1^{\circ}\text{C}$
Humidity Detection Range	0 ~ 99 %RH
Humidity Detection Accuracy	± 5 %RH
Product Size	74.2 x 160 x 24 mm
Power Supply	Type-C 5V \Rightarrow 2A / 2500 mAh

Cautions

Please read the following instructions carefully before using the product for the first time.

1. Since the product uses high-precision sensors and components, keep the product in a dry environment without direct sunlight.
2. When using the product for the first time, place it in a well-ventilated environment for manual calibration.
3. Do not block the air inlet when in use.
4. This product is not waterproof; do not soak or splash water or other liquids on the product.
5. Do not insert sharp, flammable, or metal objects into the monitor or air inlet to avoid short-circuiting, which may result in electric shock or burns.
6. When using the product for a long period, please use the power adapter for power supply. Batteries are only suitable for short-term use.

7. Avoid dropping the product or subjecting it to severe impacts, as this may result in malfunction.
8. The detection by this product is qualitative rather than quantitative. The measurement values may have some deviation; please refer to the accuracy range for details.
9. Common volatile substances can interfere with the

Note:

Do not hold the product close to your face, as your breath will affect the monitor's CO₂ concentration readings.

Disclaimer

1. This manual describes the usage and technical parameters of the product as fully as possible. However, the company reserves the right to modify this manual without further notice.
2. The appearance of the product in the manual may differ slightly from the actual product due to printing and other reasons. Please refer to the actual product.
3. This information is for reference only and does not constitute any form of commitment.