



# Professional Air Quality Monitor with Clock

## Instruction Manual

SKU# 2577404

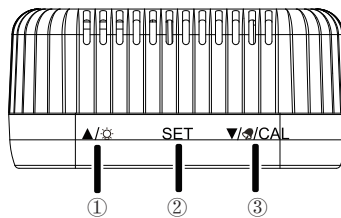
### PARTS LIST:

NO.	Description	Quantity	No.	Description	Quantity
1	Base Station Monitor	1	2	USB-C Power Adaptor	1

Please read the instructions carefully before use. Retain for future reference.

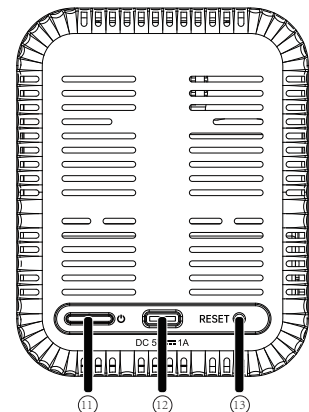
#### Top

1. ▲ / LIGHT button
2. SET button
3. ▼ / CO<sub>2</sub> AL / CAL button



#### Front of Display

4. LED status indicator
5. AQI indicator
6. PM2.5 indicator
7. CO<sub>2</sub> indicator
8. Temperature and humidity reading
9. Alarm icon display
10. Time display



#### Back of Display

11. ON/OFF button
12. Power input port
13. Reset button

### Functions

- Measures PM2.5 (particulate matter), CO<sub>2</sub> (carbon dioxide), and AQI (Air Quality Index)
- Breathe easier with the three-level comfort indicator.
- Keep track of time and set alarms with the clock display.

## Switch Monitor ON/OFF

1. Connect the monitor to a USB power source using the included USB-C cable.
2. The device is powered on or reset for 3 seconds to turn on
  - a. The display will show the time, temperature, humidity, PM2.5 and CO<sub>2</sub> levels.
  - b. The CO<sub>2</sub> sensor will warm up (initially displays “550”). After about 60 seconds, accurate readings will appear.
3. To turn the monitor OFF, press and hold the [ON/OFF] button for 3 seconds.

## Time Setting

- In normal mode, hold [SET] for 3 seconds to enter time setting.
- Use ▲ / LIGHT and ▼ / CO<sub>2</sub> AL / CAL to adjust values.
  - Hold the button for quick adjustment.
- Press [SET] to confirm and move to the following item.

### Setting Order:

1. 12H / 24H format
2. Hour
3. Minute
4. Temperature unit (°C / °F)
5. PM2.5/PM10
6. Low CO<sub>2</sub> alert
7. High CO<sub>2</sub> alert
8. Exit

Note: If no button is pressed for 10 seconds, the monitor exits setting mode.

## Alarm Settings

### Check Alarm Time

Press [SET] briefly in normal mode.

### Set Alarm

- Hold [SET] for 3 seconds in Alarm mode. The Hour of Alarm will begin flashing.
- Adjust the hour with ▲ / LIGHT and ▼ / CO<sub>2</sub> AL / CAL and press [SET] to confirm
- Repeat the process for a minute after the alarm.

NOTE: If no valid operation is performed within 10 seconds, the device will exit setting mode and return to normal display mode.

### Enable/Disable Alarm

- In Alarm mode, press ▼ / CO<sub>2</sub> AL / CAL to turn alarm ON/OFF
- If the Alarm is on, the corresponding alarm icon will be shown on the display

### Stop Alarm

When the alarm rings, press any key (except the SET key). The alarm will auto-repeat the next day.

### Snooze

When the alarm rings, press [SET] to pause the alarm. The snooze indicator icon will flash on the display, and the snooze will last for 5 minutes.

## CO<sub>2</sub> Display & Alerts

### Status Indicators:

- Normal: 400–800 ppm (green)
- Warning: 801–1600 ppm (yellow)
- Dangerous: >1600 ppm (red)

## High/Low Alert

When CO<sub>2</sub> crosses the HIGH/LOW set alert levels, the value and icons will flash.

## Audible Alarm (High CO<sub>2</sub>):

- Enable by pressing ▼ / CO<sub>2</sub> AL / CAL.
- If CO<sub>2</sub> exceeds the set high alert level, the unit beeps continuously (faster as levels rise).
- To improve air quality: ventilate the area, open windows, or reduce occupancy.
- Turn off the alarm by pressing ▼ / CO<sub>2</sub> AL / CAL again.

## Calibration

1. Place the monitor in a fresh-air environment (~400 ppm).
2. Turn the unit ON and wait for the first reading.
3. Hold [ON/OFF] + [▼ / CO<sub>2</sub> AL / CAL] for 3 seconds.
4. "CAL SET" will flash. Press [SET] to confirm.
5. Calibration takes ~15 minutes, followed by 24 hours of background adjustment.
6. To exit Manual Calibration Mode, press any button except [SET]

NOTE: Do not press any buttons during the calibration process

## PM2.5 display

There are 6 different status displays in different colors: GREEN, YELLOW, ORANGE, RED, BLUE, PURPLE.

Note: Regardless of whether the PM2.5 or PM10 value is displayed, the indicator bar follows the PM2.5 value.

### Status Indicators

- Good: 0-12 µg/m<sup>3</sup> (Green)
- Normal: 13-35 µg/m<sup>3</sup> (Yellow)
- Not good for sensitive groups: 36-55 µg/m<sup>3</sup> (Orange)
- Unhealthy: 56-150 µg/m<sup>3</sup> (Red)
- Very unhealthy: 151-250 µg/m<sup>3</sup> (Blue)
- Dangerous: 251-999 µg/m<sup>3</sup> (Purple)

## AQI Indicator & Comfort Face

### AQI Indicator

- Good: 0-50 (Green)
- Normal: 51-100 (Yellow)
- Not good for sensitive groups: 36-55 µg/m<sup>3</sup> (Orange)
- Unhealthy: 151-200 (Red)
- Very unhealthy: 201-300 (Blue)
- Dangerous: 301-500 (Purple)

### Comfort face

- Smile: 0-50 (Green face)
- Normal: 51-150 (Yellow face)
- Cry: 151-500 (Red face)

## Backlight Adjustment

Press ▲ / LIGHT to cycle brightness from low → high.

## Reset

If the unit malfunctions, press the RESET button.

**Care & Maintenance**

- Place on a stable surface, away from heat, moisture, or direct sunlight.
- Clean with a soft cloth and mild soap/water. Do not use solvents.
- Unplug before cleaning.
- Do not open the case or tamper with internal parts.
- Use only the supplied USB adapter.

**Precautions**

- Indoor use only.
- Avoid shock, dust, humidity, and extreme temperatures.
- Do not immerse in water.
- Do not dispose of in fire.
- Do not attempt to open or modify the device.

**PRODUCT SPECIFICATIONS:**

Dimensions	2.99" x 3.78" x1.42"
Power supply	DC 5V, 1A
Operation temperature	32.0°F to 122°F
CO <sub>2</sub> measuring range	400 - 5000 ppm
CO <sub>2</sub> Resolution	1 ppm
CO <sub>2</sub> Warm up time	1 minute
PM2.5 measuring range	0~999 ug/ m3
PM2.5 Resolution	1 ug/ m3
PM10 measuring range	0~999 ug/ m3
PM10 Resolution	1 ug/ m3
AQI measuring range	0~500
Temperature measuring range	14.2°F to 122°F
Temperature resolution	0.1°F
Humidity measuring range	1% - 99%
Humidity resolution	1% RH
Default Time format	12 hour
Default Alarm time	6:30 AM
Default CO <sub>2</sub> alert level	Low – 400, High – 1200
Default CO <sub>2</sub> sound alert	ON
Default Temperature	°F
Default Display brightness leve	High

## **FCC STATEMENT**

Note: 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.

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