Instruction Manual



23-12-72C

Product Specifications

Display method:
4.3" LCD screen display, 270 x 480 pixels
Atmospheric pressure: 86Kpa - 106Kpa
Detection method for CO2 : Infrared (NDIR)
Sampling time: 1.5 seconds
Product Size: 145 x 78 x 97.2mm
Detection temperature: -10°C to 50°C
Relative humidity : 20% - 85%
Storage temperature: -10°C to 60°C
Concentration unit for CO2:PPM
Power source: Lithium battery with 3000 mAh capacity,
5V DC power charging via micro USB port
Product weight: 210g

Product Description

This product is an air quality monitor that detects Carbon dioxide (CO2),Temperature, and Humidity. it combines sensors real-time monitoring of Carbon dioxide (CO2), temperature, and humidity on its digital LCD display.

Considerations

Please read the instructions carefully before using this device.
Please let the device work short mins outdoors before use for most accurate results .
Please keep the manual handy for quick reference and troubleshooting.

Precautions

Avoid covering the air intake areas during use to avoid inaccurate measurements.
Avoid use of solvents to clean the product as residual fumes will skew air quality readings.
Avoid water or other liquids near the product to avoid electrical damage.
Do not allow unauthorized modification or repair of this product.

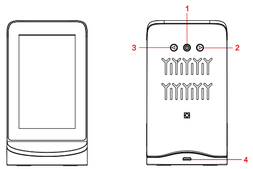
Features:

-4.3" color liquid crystal display (LCD), 270x480 pixels
-Test variables:Carbon dioxide (CO2),temperature, humidity
-Large 3000mAh capacity Lithium battery
-5V Micro USB charging
-Low battery warning
-CO2 exceed alarm function, alarm can open/close

Instructions

1. Start Up

When you long-press the center power button, the air quality monitor will boot up.



1) Power (ON/OFF) / OK / Menu Button, used to confirm highlighted options or to turn device on/off by pressing for 3 seconds.
2) Down Decrease Button.
3) Up Increase Button.
4) Micro USB charging Port.

2. Data Display Formats (Figure 1)



Figure 1

1) Carbon dioxide (CO2) display area, showing the current CO2 level.

2) Temperature display area, showing the current temperature level.

3) Humidity display area, showing the current humidity level.

CO2 air quality grade range		
Air quality level	CO2 average standard value(PPM)	Color
Good	400-800	Green
Ok	800-1200	Yellow
Poor	1200-5000	Red

3.CO2 data record (Figure 2)

Press the up or down button to navigate to the trend screen. Graph shows the last 5 data values for Carbon dioxide taken every 10 minutes over the past 50 Minutes.

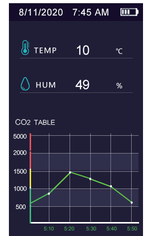


Figure 2

4.Set up (Figure 3)

Double press on/off button to enter the Set up screen.



Figure 3

DATE: Change the date by using the up and down button. Confirm each setting with one press on the on/off button.

TIME: Change the time by using the up and down button and by confirming with the on/off button.

UNIT: Change the temperature unit between Celcius (°C) or Fahrenheit (°F) .

Buzzer: can turn on/off alarm sound. (If Buzzer is on, and CO2 value more than 1000 ppm and keep rising, would beep alarm sound.)

Temperature Numerical Compensation Settings

Temperature compensation is used to compensate for errors in the measurement process.
You can set it to: -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5.

5. About Charging

When low battery icon is displayed, the device needs to be charged. Insert the included or another compatible micro 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.

6.Parameters :

CO2 technical indicators

Measuring range: 400-5000PPM
Resolution: 1 PPM
Sensor for CO2 : Infrared (NDIR)

Temperature and humidity technical indicators

Measuring range: -10-50 ° C
Humidity range: 20%-85% RH
Measurement accuracy: ±1 °C
Measurement accuracy: ±4% RH

Product List

CO2 Meter	x 1
Micro USB charging cable	x 1
Product Manual	x 1