

PORTABLE CAPNOGRAPH
INSTRUCTION MANUAL

CARBON DIOXIDE DETECTOR
Small And Portable

Can Support Charging



一. Product Description

1.Product Overview:

This product is a carbon dioxide monitor, which is used to monitor the content, temperature and humidity of carbon dioxide in the air. It uses the principle of non-dispersive infrared (NDIR) to detect the CO2 in the air.

2.Appearance description



3.Indicator status description:

When the carbon dioxide content in the air is: 400-800PPM, the green indicator light flashes.
When the carbon dioxide content in the air is: 801-1200PPM, the yellow indicator light flashes.

When the carbon dioxide content in the air is: 1201-1500PPM, the orange indicator light flashes.
When the carbon dioxide content in the air is: 1501-5000PPM, the red indicator light flashes.
4.Operating Instructions:
Power on: Press and hold the power button (middle button) for about 3 seconds to power on.
Power off: In the power-on state, press and hold the power button (middle button) for about 3 seconds to power off.
Temperature unit switching: Short press the temperature unit switching key (left key) to switch between °C and °F units.
Mute: Short press the mute key (right button) to turn off or turn on the buzzer alarm sound.when the carbon dioxide content in the air exceeds 1200PPM, the buzzer will sound 3 alarms, and when it exceeds 1500PPM, the buzzer will sound 5 alarms every 2 minutes, until the carbon dioxide content drops below 1000PPM, the buzzer will be released. alarm.
Manual calibration: short press, left and right keys at the same time to enter the manual calibration mode, the carbon dioxide value on the display becomes four horizontal lines, and the carbon dioxide data will be displayed after the calibration is completed. Calibrate 1 time.

Temperature compensation: long press the left button for about 3 seconds, the temperature value will jump, enter the temperature compensation mode, press the left button to increase, the right button to decrease, the middle button is the confirmation button, after setting the correct temperature value, press the middle button to confirm and exit In the temperature compensation mode, if you enter the compensation mode without any operation, the temperature value jumps for 10 seconds and then exits the compensation state.
Humidity compensation: long press the right button for about 3 seconds, the humidity value will jump, and enter the humidity compensation mode. Press the left button to increase, the right button to decrease, and the middle button to confirm. After setting the correct humidity value, press the middle button to confirm and exit the humidity. Compensation mode, if you enter the compensation mode without doing any operation, the humidity value jumps for 10 seconds and then exits the compensation state.

5.Technical parameters

Gas detector	Carbon dioxide	Supply voltage	DC5V 1A
Power supply	USB Type-c	Product Size	About 72*72*22mm
Measurement range	400~5000PPM	Measuring accuracy	50PPM±5% reading value
temperature range	-10℃~55℃	Humidity range	0~95%RH
Display method	LCD	Battery capacity	1200mah lithium battery
Weight	About 75 g	Response time	T90<120S
Standby time	About 22 hours	Charging time	About 5 hours

二.Introduction of carbon dioxide and temperature and humidity

1. Carbon dioxide is a common compound in the air, accounting for about 0.04% (400ppm) of the atmosphere by volume. Usually produced by combustion of organic compounds, cellular respiration, fermentation of microorganisms, etc. Indoor carbon dioxide mainly comes from human breathing.
2. Mperature and relative humidity. The temperature felt by the human body depends on many factors, such as air temperature, thermal radiation, relative humidity, wind speed, human activity and health status, clothing, etc. Among them, temperature and

relative humidity are two factors that affect human comfort. Key factor. In winter, when the temperature is 20~40% and the temperature is 30%~60%, the human body feels more comfortable; in summer, when the temperature is 23~26% and the humidity is 25%~60%, the human body feels more comfortable.

三.Matters needing attention

1. This product is not waterproof and dustproof.
2. When using, do not block the air inlet and outlet, so as not to cause numerical deviation.
3. Please dismantle or modify this product without permission. If you need to repair it, please contact the professionals of our company for repair.
4. Please use the power cord that comes with this product to charge.
5. Please use it in a high temperature environment or near a strong magnetic field environment, which may cause damage to the device.
6. During measurement, place the product vertically to ensure correct measurement.

四、 Packing list

• Co2 monitor *1	• Certificate *1
• Instruction manual *1	• Data cable *1

This product is made in China. The illustrations of the product and accessories in the manual are schematic diagrams and are for reference only. Due to the update and upgrade of the product, the actual product may be slightly different from the schematic diagram, please refer to the actual product

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