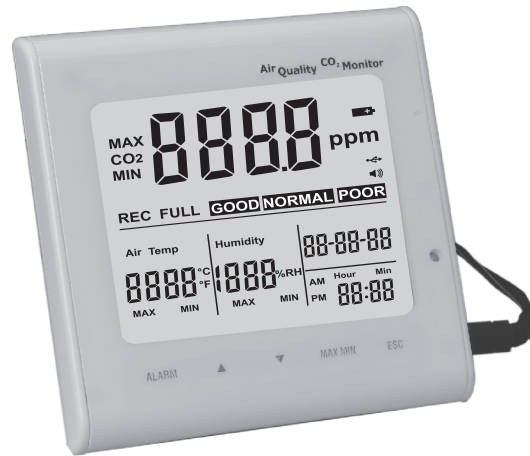


Air Quality CO₂ Monitor

User Manual



1. Safety

Please thoroughly read this Instruction Manual before using the monitor, and use it by according to the Carbon Dioxide (CO₂) tester specifications:

Environmental Conditions of Usage:

- Relative Humidity ≤ 90%RH (Non-condensation).
- Operation Humidity -5°C ~ 50°C.
- Storage Humidity -10°C ~ 70°C.

Maintenance and Cleaning

- Repair or maintenance should be carried out by professional person, not only by prospectus.
- Wipe the meter regularly with a soft, dry cloth. Do not clean it with solvents or detergent.

Safety Marking:

☞ Comply with European CE safety standards.

2. Function Description

The Carbon Dioxide (CO₂) Monitor is designed for air quality control and health control by measuring Carbon Dioxide (CO₂) level in areas where it needs to be monitored, such as factories, schools, offices, transportation lines and so on.

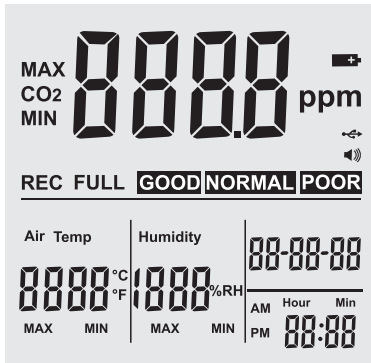
The measured CO₂ value in ppm (parts-per-million) will be displayed on the LCD with three states indication: Good (0 to 800 ppm), Normal (800 to 1200 ppm), Poor (> 1200 ppm). An acoustic alarm sounds when then CO₂ level is exceeding the define level.

3. Specifications

- **Sensing Method:** NDIR (non-dispersive infrared) CO₂ sensor
- **Measurement ranges:** 0 to 9,999ppm CO₂
- **Resolution:** 1ppm
- **CO₂ Accuracy:** ±75 ppm ±5% of reading
- **Temperature:** -5°C to 50°C (23°F to 122°F)
- **Resolution:** 0.1°C/°F
- **Temperature Accuracy:** ±1°C
- **Humidity:** 0.1 to 90%RH
- **Resolution:** 0.1%RH
- **Humidity Accuracy:** ±5%
- **Display:** Date, and Time
- **Max/Min Co₂ value display function**
- **Data record function**
- **Sampling Interval:** 2 seconds
- **Overload Instructions:** "-OL-"
- **Power Adapter:** INPUT AC 110V~220V OUTPUT DC 6.0V
- **Rechargeable battery:** 3.7V 1000mA
- **Operating environment:** -5°C to 50 °C (23 °F to 122 °F) at <90 % RH
- **Storage temperature:** -5°C to 50 °C (23 °F to 122 °F) at < 90 % RH

4.Names and Functions of Parts

LCD Display



Mechanical Keys

• **NO/OFF** Press for about 1s to turn on it, 3s to turn off it.

• **HOLD/OFF** Function 1: Freezes the current reading in the display; Function 2: Under the Manual mode, after connecting with the computer by USB to record the data, Long-press "Hold" and then begin to record the data with the screen showing "REC"; Long-press "Hold" until the disappearing of "REC" and then stop recording the data.


Under the Auto mode, the meter begins to record the data after setting the data-record. The screen shows REC automatically; Long-press "HOLD" to stop recording the data.

°C/°F Temperature Unit transfer between °C and °F.

CLOCK Press and hold this button for 2 seconds to enter into clock mode. Press it again enter into date or time setting. Touch "▲" or "▼" button on the screen with hand to increase or decrease the value. After finishing setting, touch "ESC" button to exit clock setting code.

Touchpad Button

• Alarm Button

Trigger the button once, if  icon shows on LCD screen, it indicates the measured value exceeds the alarm value and the alarm buzzers. Press this button again to exit the buzzer alarm function.

Press and hold the button to enter into setting mode.

1. Button flickers, then enter to alarm value setting mode

Press "▲" button to increase the value, press "▼" button to decrease the value, press "ESC" button to exit the setting mode:

2. "GOOD", "NORMAL" and "POOR" Value Setting

Under the alarm-setting mode, press "alarm", the "GOOD" and "NORMAL" begin to flicker. Press "▲" button to increase the value, press "▼" button to decrease the value. When the content of CO₂ is less than the value, it's "GOOD." Press "alarm" again, the "NORMAL" and "POOR" begin to flicker. Press "▲" button to increase the value, press "▼" button to decrease the value. When the content of CO₂ is more than the value, it's "POOR." When the content of CO₂ is between the two values, it's "NORMAL". Press "ESC" to exit the setting mode.

• MAX/MIN Button

Trigger the button once, "MAX" icon shows and the Maximum measured value of CO₂, temperature and humidity will be displayed on the screen, Trigger this button again, "MIN" icon shows and the Minimum measured value of CO₂, temperature and humidity will be displayed on the screen. Press ESC exit the mode.

• ▲ Digital Adjustment Button

Enter the adjustment mode, press the button to increase the value; Press ESC to exit the mode;

• ▼ Digital Adjustment Button

Enter the adjustment mode, press the button to increase the value; Press ESC to exit the mode;

• ESC Button

Press this button will exit the current mode.

• Backlight

Press one of the "ALARM" button, "MAX/MIN" button, "▲" button or "▼" button, the backlight will turn on and it will turn off automatically after 20 seconds of inactivity. Press "ESC" button to exit the function.

