

CARBON DIOXIDE CO2 MONITOR FD-CO2000

FORENSICS DETECTORS™



MODEL: FD-CO2000

**** ATTENTION ****

- KEEP DETECTOR **AWAY** FROM ELECTROMAGNETIC & MAGNETIC INTERFERENCES (i.e. PHONES & MAGNETS)
- STORE DETECTOR **WITHIN SPECIFICATIONS**
- IF UNWELL, SEEK CLEAN AIR & MEDICAL HELP.
- **DO NOT** OPEN THE UNIT
- **KEEP AWAY** FROM DUST & PARTICULATE AND CONCENTRATED VAPORS, HARSH CHEMICALS
- **FOLLOW INSTRUCTIONS AS THE DETECTOR IS VERY SENSITIVE**

INTRODUCTION

You have purchased the **BASIC CARBON DIOXIDE CO2 MONITOR** by **FORENSICS DETECTORS™**. This product tracks indoor CO2 levels which is suited for home use or in light industrial applications such as use in a grow room, incubator, beer, hydroponics, cars and transport vehicles. The monitor operates from any USB charger. The monitor can also be used without a cord for up to 8 hours when the battery is fully charged. Your CO2 monitor is already calibrated so just Turn ON and GO!

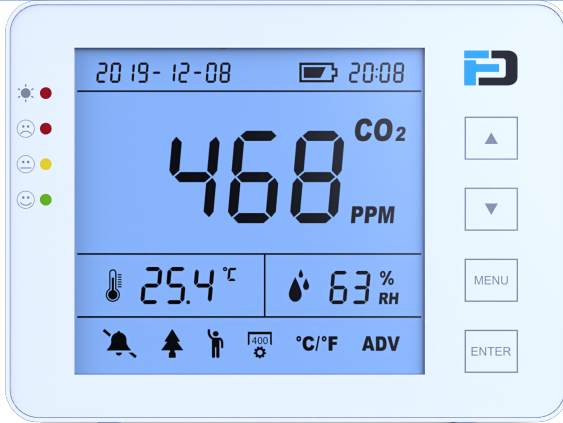
POWER & BATTERY CHARGING

The CO2 monitor has a built-in lithium battery and is charged when the CO2 monitor is powered via the USB charger. When the USB is connected, the power LED will be RED. When the power LED is flashing it means it is charging the battery. When the monitor operates on battery power, the battery icon on the top right will be displayed. The battery operation can last for up to 8 hours. It takes about 2 hours to fully charge the battery.

OPERATION

ON/OFF: The ON/OFF power button is located on the back of the CO2 monitor. Press the POWER button to turn On the CO2 monitor. After a 10 second countdown the CO2 monitor will display the instantaneous CO2 that it detects in the ambient environment. The temperature, humidity, date and time is also continuously displayed on the LCD screen. The RED LED in the top left will be ON to indicate operation. In addition, comfort LED indicators are located on the left to indicate level of comfort. This includes SAD FACE, NORMAL FACE and HAPPY FACE.

MENU BUTTON: Press the MENU button on the right hand side to scroll through the MENU selection options as shown in the right table.







TIPS

- Press buttons lightly when selecting.
- Place the detector in a stable location such as a table or bench where a draft is not present and the monitor senses the target indoor air quality.
- Battery operation last 8 hours.
- The monitor can be mounted on the wall as it also has recessed indents to hook onto a screw head.
- The USB cable can be plugged into any USB port such as an existing charger or computer USB port.

MENU FUNCTIONS

Press the MENU button to scroll through the menu selection as shown in the below icons. When a menu option is selected it will FLASH. To select the MENU press ENTER and then press UP and DOWN to toggle the selection then press ENTER to select. For example, to change TEMP from C to F, select TEMP ICON. When it is flashing, press ENTER, then press UP or DOWN arrow to toggle and choose your selection, then press ENTER.

	Silence Mode. Select this to silence alarm.
	Calibration Mode. When selected the detector calibrates to 400ppm. Hold ENTER for 3 seconds. There will be 300 second countdown. Before selecting, ensure the detector is in FRESH AIR.
	Temp Selector. Select to toggle between C and F temperature readings.
	Alarm Settings. Select LOW or HIGH with UP and DOWN arrows. Select to change LOW and HIGH alarm CO2 levels. Default alarm points are 800ppm for LOW and 1200 for HIGH.

Time and Date Change: Press UP button for 3 seconds. The Time digit will flash, press ENTER to enter change mode then UP and DOWN buttons to adjust as necessary.



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SPECIFICATIONS

CO2 Sensor Specifications

Sensor: Non Dispersive Infra Red NDIR CO2 sensor
 CO2 Range: 0-5000ppm
 Accuracy: ± 50 ppm or $\pm 5\%$ of reading (take larger)
 CO2 Repeatability: 40ppm at 400ppm
 Temp Compensation: $\pm 0.1\%$ of reading per C from 25C.
 Response Time: < 5minutes
 Warm Up Time: 20 seconds

Temperature Sensor Specifications

Operate Temp: 32F- 195F
 Resolution: 0.1 (F or C)
 Accuracy: $\pm 5\%$ of reading
 Response Time: <10 minutes

Relative Humidity Sensor Specifications

Range: 5-95%RH
 Resolution: 1%
 Accuracy: $\pm 5\%$ of reading
 Response Time: <10 minutes

General Specifications

Store/Operate Temp & %RH: 32F- 122F, <95%RH
 Battery: Li-Ion battery 1000mAh
 Dimension/Weight: 120x90x35mm / 170g (3.6oz)
 Voltage Input: USB DC 5V
 Expected Sensor Life: up to 10 years

BASIC CO2 MONITOR FD-CO2000



SEE PRODUCT DEMO ON OUR [YOUTUBE](#) CHANNEL



OTHER PRODUCTS FROM FORENSICS DETECTORS

INDUSTRIAL SERIES



PROFESSIONAL SERIES



Product Tested, QA/QC in California, USA
 Product Calibration Verification in California, USA
 Product Packaged in California, USA
 Product Made in PRC
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