CARBON DIOXIDE CO2 MONITOR FD-CO2000
FORENSICS DETECTORS™

FORENSICS DETECTORS **FD**

* * ATTENTION * *

➢ **KEEP DETECTOR AWAY FROM ELECTROMAGNETC & MAGNETIC INTERFERENCES STORE DETECTOR WITHIN SPECIFICATIONS**
➢ **DO NOT OPEN THE UNIT**
➢ **KEEP AWAY FROM DUST & PARTICULATE AND CONCENTRATED VAPORS, HARSH CHEMICALS**

INTRODUCTION

You have purchased the **BASIC CARBON DIOXIDE CO2 MONITOR by FORENSICS DETECTORS™**. This product tracks indoor CO2 levels which is suited for classrooms, home, offices, gyms, restaurants, hydroponics, cars and transport vehicles. The monitor operates from any USB charger. Your CO2 monitor is already calibrated so just Turn ON and GO!

POWER & BATTERY CHARGING

The CO2000-USB version 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 monitor operates on battery power, the battery icon on the top right will be displayed. The battery operation can last for up over 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. **BEWARE** * * ensure you depress the button completely; sometimes you may need a toothpick to press it completely down. 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. LED indicators are located on the left to indicate comfort levels SAD, NORMAL and HAPPY FACE. Happy Face LED will show when below the Low Alarm set-point. Normal face LED will show when CO2 level has exceeded the Low Alarm set-point. Sad Face LED will show when Hi alarm set-point has been exceeded.

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 very lightly when selecting.**
- **Battery model lasts over 8 hours.**
- **The monitor can be mounted on the wall as it also has recessed indents to hook onto a screw.**
- **The USB cable can be plugged into any USB port such as an existing USB charger.**
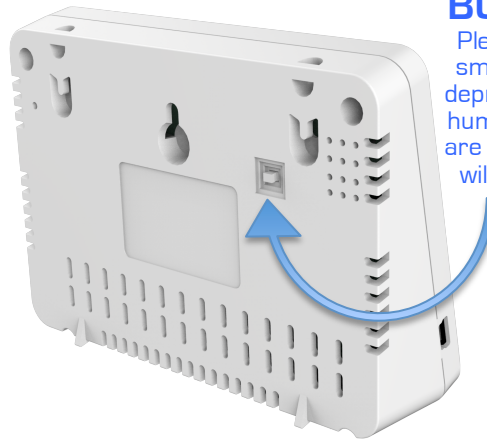- **Check YouTube for video demonstration to help!**

MODEL: FD-CO2000-USB
Battery & USB Power

Large LCD with light
LED Air Quality Indicators
USB Power & Recharge Battery
Control Menu & Adjustable Alarms
Touch button
CO2, Temp, %RH
NDIR CO2 Sensor

ON/OFF BUTTON

Please use a small item to depress. Some human fingers are too big and will not work

MODEL: FD-CO2000-WALL
Wall Power Socket 110V AC

CARBON DIOXIDE CO2 MONITOR FD-CO2000
FORENSICS DETECTORS™

SPECIFICATIONS

CO2 Sensor Specifications
Sensor: Non Dispersive Infra Red NDIR CO2 sensor
CO2 Range: 0-5000ppm
Accuracy: ±50ppm or ±5% of reading (take larger)
CO2 Repeatability: 40ppm at 400ppm
Temp Compensation: ±0.1% of reading per C from 25C.
Response Time: < 1minute
Warm Up Time: 20 seconds
Temperature Sensor Specifications
Operate Temp: 32F–195F
Resolution: 0.1 (F or C)
Accuracy: ±5% of reading
Response Time: <1 minute
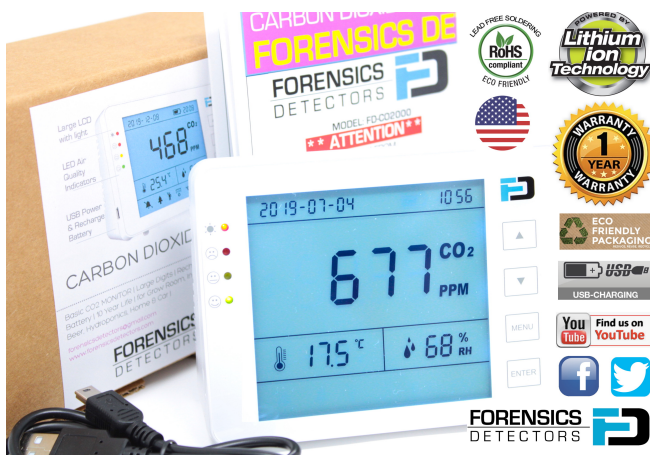**Relative Humidity Sensor Specifications**
Range: 5-95%RH
Resolution: 1%
Accuracy: ±5% of reading
Response Time: <1 minute
General Specifications
Store/Operate Temp & %RH: 32F–122F, <95%RH
Voltage Input: USB DC 5V (use at least 1Amp charger)
Expected Sensor Life: up to 10 years
USB & Battery Version: Li-Ion battery 1000mAh;
Dimension/Weight: 120x90x35mm / 170g (3.6oz);
Voltage Input: USB DC 5V via mini USB B type input
connector (USB charging cable included)
Wall Plug-in Version: 110V AC Power,
Dimension/Weight: 120x90x55mm / 170g (3.3oz)

SEE PRODUCT DEMO ON
OUR YOUTUBE CHANNEL

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.

🔔	**Mute/Silence Mode:** Select this to silence alarm or mute. When alarming, press any button to engage MUTE.
400 ⚙	**Calibration Mode:** When selected the detector calibrates to 400ppm. Press ENTER for 3 seconds. There will be 300-second countdown. Ensure the detector is in FRESH OUTDOOR AIR when calibrating. Calibration should be performed every 6 months to ensure accuracy.
ADV	**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 1100 for HIGH.
°C/°F	**Temp Selector:** Select to toggle between C and F temperature readings.
🌲	**MAX:** Select this option to view the maximum CO2 recorded by the monitor. To clear max, press UP button for 4 secs.
🕐	**Time Date:** Select this option to change the date and time. Press ENTER to scroll/select digits and UP and DOWN arrows to change selection.
	There may be added MENU functions on some models due to firmware updates. If you have any questions, please contact us at sarah@forensicsdetectors.com

	Other CO2 Monitors	FORENSICS DETECTORS
Recharge Battery	NO	YES ✓
10 year sensor	NO	YES ✓
USA Customer Support	NO	YES ✓
Eco Friendly Packaging	NO	YES ✓

Product Tested, QA/QC in California, USA
Product Packaged in California, USA
Product Made in PRC
Copyright © 2020

WEB: www.forensicsdetectors.com
Email: sarah@forensicsdetectors.com