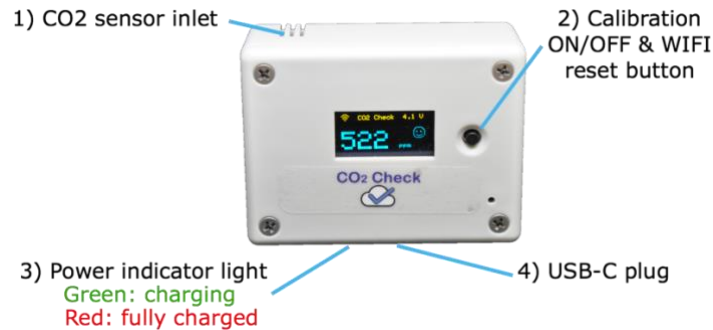




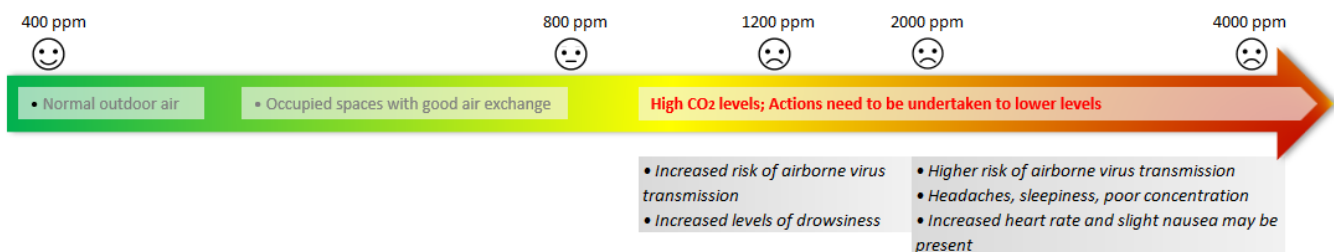
PRODUCT MANUAL



Congratulations on taking this important step toward living a healthier life. By keeping track of your carbon dioxide (CO₂) levels, you can better measure the quality of your own indoor air quality or make more informed decisions on where to spend your time indoors. Studies have shown that reducing CO₂ levels in your indoor spaces can increase energy levels, reduce the risk of airborne virus transmission, and improve your sleep quality.

Every time someone exhales, speaks, sings etc., CO₂ is released into the air. As CO₂ levels rise in closed spaces with poor ventilation, so does the “shared air,” air which has been exhaled by someone else in the room. With COVID-19 and other respiratory illnesses, the more air you share, the higher the risk of inhaling contaminated air and potentially becoming sick from an infectious virus. Since COVID-19 is most often spread by breathing, coughing, or talking, you can use CO₂ levels to see if a room is filling up with potentially infectious exhalations.

Outdoors, CO₂ levels are 385-420 parts per million (ppm). At 800 ppm, 1% of your air is “shared.” A well-ventilated room indoors will have less than 1,000 ppm of CO₂. **CO₂ levels any higher than 1,000 ppm is a sign the room might need more ventilation as there are elevated risks of virus transmission for everyone in the room.** At levels above 3,000 ppm your brain is affected, concentration levels go down, and drowsiness increases. At 4,000 ppm, 10% of the air has been breathed out by someone else.



To connect to the App:

Download CO2 check from the App store and follow onscreen instructions.



MONTHLY CALIBRATION REQUIRED

While we calibrate all devices before they leave our factory, as with all CO₂ sensors, to ensure your sensor’s readings don’t “drift” too much, monthly calibration is required.

CO₂ levels should be 385-420 ppm when outdoors. If CO₂ levels are not 385-420 ppm when outdoors, recalibrate your device by following the steps below (while still outside).

How does the CO₂ Check™ device work?

The CO₂ Check™ device is equipped with an industry-leading CO₂ sensor and uses nondispersive infrared technology (NDIR). The device constantly draws in air, measures the CO₂ levels in the air, and updates the readings on the OLED display every 2 seconds. The device has a range up to 10,000 ppm.

Optimal placement of device

To accurately measure the CO₂ levels in a room, the device should be placed at least 3 feet off the ground and at least 6 feet from windows or doors. Optimal placement is generally on a table, desk or wall in either the middle or perimeter of a room.

We also recommend not positioning the device too closely to one's body or face as this will result in high readings as a result of the device measuring the user's own personal exhaled air and not the mixed air in the indoor environment. The device can be powered by either a lithium polymer battery or via a USB-C cable.

What if my CO₂ levels are too high?

The good news is that if your CO₂ levels are too high it's easy to get them down.

- Bring outdoor air inside (open windows or doors)
- Decrease number of people in room
- Move to another room (or better yet, go outside)
- Use a box or exhaust fans to circulate air (Note: this will only decrease the CO₂ levels if the fan is pulling in "fresher" air)
- Increase or improve ventilation

Technical specifications:

Power Supply	1700mAh Lithium battery	USB-C cable
Dimensions	70 mm x 54 mm x 25 mm	
Weight	0.12 lbs.	
CO ₂ sensor	Reading every 2 seconds	Nondispersive infrared technology
Operating environment	32°-90° F / 0°-32° C	0%-85% Relative Humidity
Measurement range	0 -10,000 parts per million (ppm)	
Accuracy	± 70 ppm or 3%± of reading at normal temperatures	

Care and Maintenance

Indoor use only
Keep dry
Use a dry cloth to clean
Do not leave the device in direct sunlight
Do not expose to high humidity or extreme temperatures
Do not disassemble

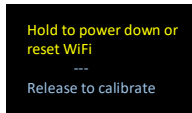
If you have further questions or comments, please contact us via our website (co2check.com) or email us at sales@co2check.com.



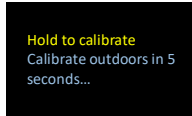
To calibrate your device:

1) Take the device outside during daylight hours (any time between 10am – 5pm local time is preferred) and expose it to fresh air for at least 5 minutes.

2) Press and hold the ON/OFF button for 2 seconds.
Release button to calibrate.



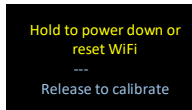
3) Hold button down for 5 seconds while outdoors.
Following screen comes up:



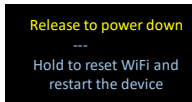
4) Device is calibrated when “Calibration Complete” appears on the screen.

To power off your device:

1) Press and hold the on/off button
2) Continue holding the button down as the following screen comes up:



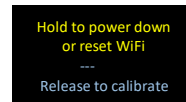
3) When the following screen appears release the button to power down your device:



4) Device powers down when “Powering Down” appears on the screen.

To reset Wi-Fi on your device:

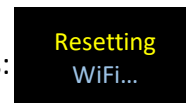
1) Press and hold the on/off button
2) Continue holding the button down as the following screen comes up:



3) When the following screen appears continue to hold the button:



4) Continue holding down the button until the following screen appears:



5) The device will delete any known WiFi networks and then restart.