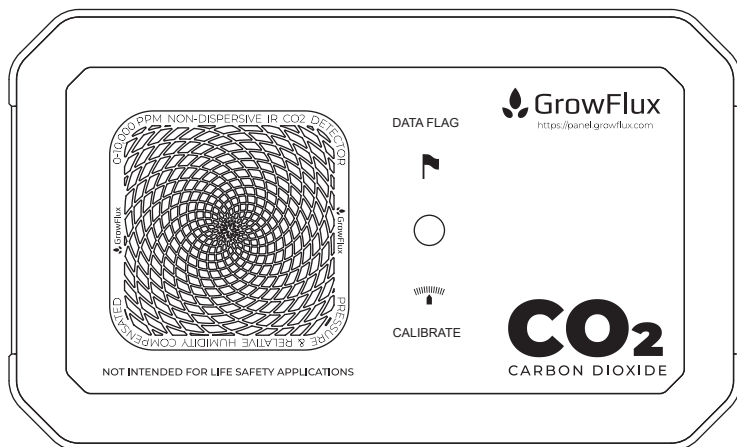# CO₂ SENSOR

QUICKSTART GUIDE

GrowFlux

SAFETY PRECAUTIONS

The GrowFlux CO₂ Sensor is not intended for life safety applications!

The GrowFlux CO₂ Sensor is not suitable to comply with local safety regulations or to monitor personal exposure.

Exposure to carbon dioxide rich environments can cause death.

Equipment failure associated with carbon dioxide delivery equipment can cause CO₂ levels to reach dangerous levels exceeding 5,000 parts per million (PPM). Users are responsible for monitoring and maintaining carbon dioxide delivery equipment and complying with local regulations pertaining to worker exposure to CO₂ rich environments.

Purchaser is responsible for implementing safety equipment, including but not limited to carbon dioxide alarms, shut off valves, personal monitors, and/or monitoring and safety equipment required per local regulations. The purchaser shall indemnify GrowFlux from all claims arising from any product use not covered by the parameters of the product data sheet or not approved by GrowFlux.

GET CONNECTED

1

Make sure your Access Point is powered on and connected.

If you have not set up your Access Point, follow the instructions to add the Access Point to your account. See growflux.com/access-point

2

PULL

Pull battery tab

Pull battery tab to power on sensor.

Sensors ship with single use Energizer® Ultimate Lithium™ L91 batteries for 1+ year battery life (depending on sensor settings). Sensor will also function with alkaline batteries with reduced battery life.

3

Access the GrowFlux Control Panel at https://panel.growflux.com or download the GrowFlux app for iOS or Android.
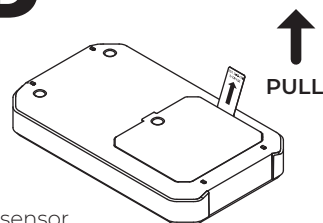
Tap the **+ Invite New Device** button in the menu bar to send an invitation to the sensor. Select the sensor you would like to add to your account. **It may take up to 30 seconds for each sensor to respond to the invitation and appear in the invite list.**

4

Place sensor

Place sensor within cultivation area among the plant canopy. Be aware that CO2 rich air sinks, so multiple sensors may be required for vertical cultivation, multi tier cultivation, and low airflow situations.

Sensors ship with a 1" x 2" Dual Lock™ adhesive fastener by 3M™ to facilitate mounting on most surfaces. Ensure mounting surfaces are free of dirt and oil before installing adhesive fastener.

HOW SPLASH RESISTANT IS THE CO₂ SENSOR?

✓ **Light splashes**

Hydrophobic vent can resist drips and light splashes without passing water into internal electronics

✗ **Direct Spray**

Never subject sensor to direct water spray

✗ **Submersion**

Never submerge sensor

Submerging sensor or subjecting sensor to direct water spray of any pressure level will damage device and void warranty.

WHAT KIND OF BATTERIES SHOULD I USE?

GrowFlux recommends using AA size Energizer® Ultimate Lithium™ L91 batteries for optimal battery life, which ship pre-installed with sensor. Software user interface features such as low battery indication is based on Energizer® Ultimate Lithium™ L91 performance characteristics; using a different type of battery will cause these features to indicate inaccurate battery statistics.

Alkaline AA size batteries may be used with the GrowFlux CO2 sensor, however battery life may vary significantly from estimates provided in this product datasheet.

Use only new batteries. Never use old batteries. Never mix battery types or brands.

DATA FLAGS

Press the data flag button to manually send a datapoint and insert a flag in the timeline. Data flags are useful for annotating disturbances in the timeline. CO₂ sensor data may show irregular response when people are breathing near sensors or when sensors are moved.

CALIBRATION

Place sensor outdoors for 15 minutes and press calibration button for 5 seconds to initiate outdoor calibration; once initiated, calibration takes approximately 6 minutes to complete. Do not breathe near sensor before or during calibration. Sensor may require calibration after being subject to drops and impact. Calibration is recommended but not required after shipping sensor.

WHAT DOES THE LED COLOR MEAN?

● **Solid red LED - upon battery install**
Sensor is not bonded to an Access Point

● **Blinking blue LED - upon battery install**
Sensor is currently bonded to an Access Point and is attempting to connect

● **Green LED**
Successful connection or successful sensor data post

● **Yellow LED**
Sensor could not connect to Access Point

○ **White LED**
Sensor received invitation and is bonding to Access Point

● **Violet LED**
Sensor has entered calibration cycle. Light will turn off when complete - do not breathe near sensor

SUPPORT

CO2METER.COM
CO2 MEASUREMENT SPECIALISTS

support@co2meter.com

We will get back to you within 24 hours

(877) 678-4259

Hours: M-F 8:30am-5pm EST

PLEASE RECYCLE

All GrowFlux packaging is fully recyclable

GrowFlux