

Instruction Sheet: Carbon Dioxide

The carbon dioxide sensor must be used in conjunction with a Logbook datalogger.

Calibrating the carbon dioxide sensor using a Logbook datalogger:

- In order to calibrate the carbon dioxide sensor accurately place it in a well ventilated room where the CO₂ levels are at background level.
- Leave the sensor for 15 minutes before starting the calibration process. If the sensor has been exposed to high levels of CO₂ then leave it for 60 minutes.
- Connect the carbon dioxide sensor to a datalogger.
- Press and hold the Set 400 button on the sensor for roughly 6 seconds until the reading on the datalogger changes to 5500ppm.
- Release the button and wait for the reading to fall to around 400ppm. This shows that the sensor is calibrated and ready for use.

Setting the carbon dioxide sensor up in Logbook Graphing using a Logbook GLE datalogger:

- Plug the carbon dioxide sensor into the Logbook GLE.
- Connect the GLE to the PC via USB and open Logbook Graphing.
- A meter screen will appear and will show the carbon dioxide sensor in one of the channels.
- This sensor is best used over extended periods of time to investigate changing levels of CO₂ in the atmosphere.

