

Product Data Sheet

CO2 air detector

Reference 77100-002-ca

Specifications

Air quality dedector
NDIR sensor
Recalibratable

- CO2 detection range : 400-5000 ppm
- CO2 detection sensitivity: 1 ppm
- TVOC detection range : 0-2 ppm
- Temperature range : 0 - 50 ° C
Accuracy: ± 1 ° C
- Humidity range : 0-99% RH
Accuracy: ± 2% RH

- 1200 mAh lithium battery
- Charging: USB C Type 500 mA interface

CO2 CONCENTRATION - Threshold

380 - 480 ppm	Normal atmospheric level
600 - 800 ppm	Correct rate in closed places
1000 - 1100 ppm	Tolerable rate in closed places
5000 ppm	High limit for 8 hours of exposure

Effect on humans

6000 - 30,000 ppm	Very short exposure
3 to 8%	Increased respiratory and heart rate
Above 10%	Nausea, vomiting, fainting
Above 20%	Rapid fainting, death

ppm : Indicates the amount of pollutant molecules in a million air molecules

TVOC : Corresponds to the total detected values of multiple pollutants

- Size product : 90x70x40mm
- Weight : ~125g



Instructions

1. Press and hold the "on-off" key on the right for 3 seconds to turn on and turn off, then it will display the current air quality parameters.
2. CO2 Detector: It displays the current CO2 data, as well as the temperature and humidity data, the colored ring will change according to the CO2 content
3. The USB can be charged by plugging in a 5V power supply. The battery icon flashes in the charging state, and it stops when it is full.

If the display is full but still flashing, it means that the charging is not saturated.

Calibration

- 1- Turn on the monitor by holding the button on the right side for 5 seconds: the device displays the ambient CO2 level.
- 2- If you need to recalibrate the monitor, quickly press the button twice. A beep indicates the device is on reset mode and the screen displays HHHH.
- 3- Place the device outside until the screen displays 0000: this process should require an average of 1 minute.
- 4- Turn off the monitor by pressing the button and bring it back inside.
- 5- Switch the device back on and wait a few minutes for the measurement to stabilize: your monitor is recalibrated.

*** Find the video tutorial on ALLAFRANCE website at the link:
<https://youtu.be/iQ7rhilC4JM>

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