

Class'Air > CO2

by pyres.com

- > Température
- > Hygrométrie
- > Pression



INDOOR AIR QUALITY MEASUREMENT SENSOR

Strenghts

Thanks to its LEDs, Class'Air allows you to check the quality of the surrounding indoor air at a glance. Its sleek design hides a high-precision CO2 probe (NDIR technology) with a resolution within 1 ppm. The LED indicator alerts and raises awareness depending on the level of CO2.

In addition to detecting carbon dioxide, Class 'Air also provides information on temperature, hygrometry and pressure, while maintaining a battery for 1 year. The Datalogger option includes a software and a calibration certificate, both essential for air quality measurement campaigns.

Applications

Designed for educational use, Class 'Air has different supports in order to blend into the measurement environment (school, nursery, offices, etc.).

Class' Air allows simple and intuitive setting of alert thresholds, on the sensor directly or via its software.



- poor air quality, it is imperative to ventilate or aerate the area
- average air quality, it is advisable to ventilate the area
- correct air quality



Complies with Decree No. 2012-14 on indoor air quality.

Referenced in:

- > The 2015 Practical Guide of the Ministry of Ecological and Solidarity Transition.
- > updating ADEME's School Guide.

The booklet «A good air in my school» (IFFO-RME). Under the LUMAIR Operating License of **CSTB** le futur en construction



Accessories

Fixing accesories

- > Hanging hook
- > Wall fixing base

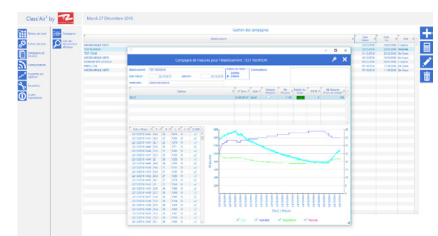
USB and charging support

- > Communication between sensor and software
- > Retrieval of measurements
- > Battery charge



Logiciel Class'Air

- > Communication with the sensor & configuration of the sensor (thresholds of the 3 leds, activation of beeps)
- > Campaign management (recovery of measurements, calculation of the ICONE containment index, edition of reports)
- > Archiving and traceability of data
- > Data export in spreadsheet format (.csv)

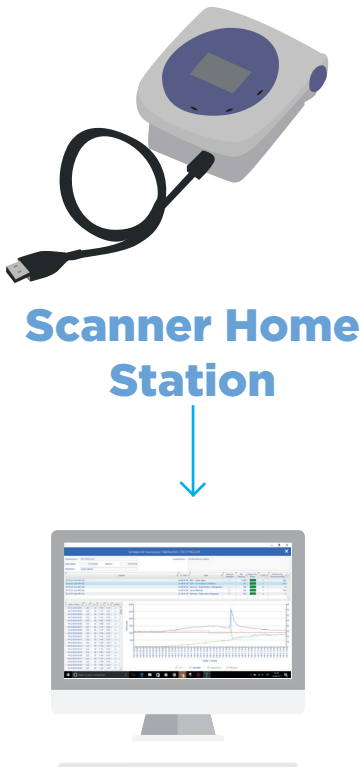




Parameters measured		
Carbon Dioxide CO2	Ratio in Parts Per Million (PPM)	from 0 to 5,000 ppm
	Resolution	1 ppm
	CO2 measurement principle	Non-dispersive infra-red technology (NDIR)
	Bias error at 25°C and 1,013 mbar	<= +/- (50 ppm + 3% of the value measured)
	Threshold indicator	3 status LEDs (green, orange, red)
	Pressure Compensation	On activation
Temperature	measuring range	de -10 à +50 °C
	Resolution	0,1 °C
Hygrométry	measuring range	0 à 100 % RH
	Resolution	1 % RH
Pressure	measuring range	300 à 1 100 hPa
	Resolution	1 hPa

Datalogger option (recording of measurements)

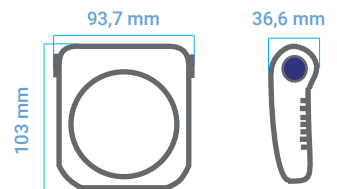
Acquisition period :	Configurable (1 point averaged over 10 minutes by default).
Recording capacity :	From several weeks to several months Ex: 7 weeks for 4 measurements taken (CO2-T-HR-P) at 10 minutes.
Autonomy (rechargeable battery) :	From several months to several years depending on the setting (measurement periods, activation of the LEDs).



The Class'Air sensor measures and records in its function Datalogger the CO2 rate, the temperature, humidity and pressure.

The 2 buttons integrated on the front of the sensor facilitate start / stop measurements, completed by beeps associated sound.

The Class'Air analyzer communicates via USB cable with software Class'Air to allow, in addition to its configuration, recovery and the use of recorded data.



Weight: 175 grams



Systeme de
management
ISO 9001:2015
ISO 14001:2015
www.pyres.com
ID: 915200067



PYRES.COM

Mas des Tilleuls 66680 Canohès . France
www.batnrj.com | www.pyres.com
direct@pyres.com
Tel: +33 (0)4 68 68 39 68