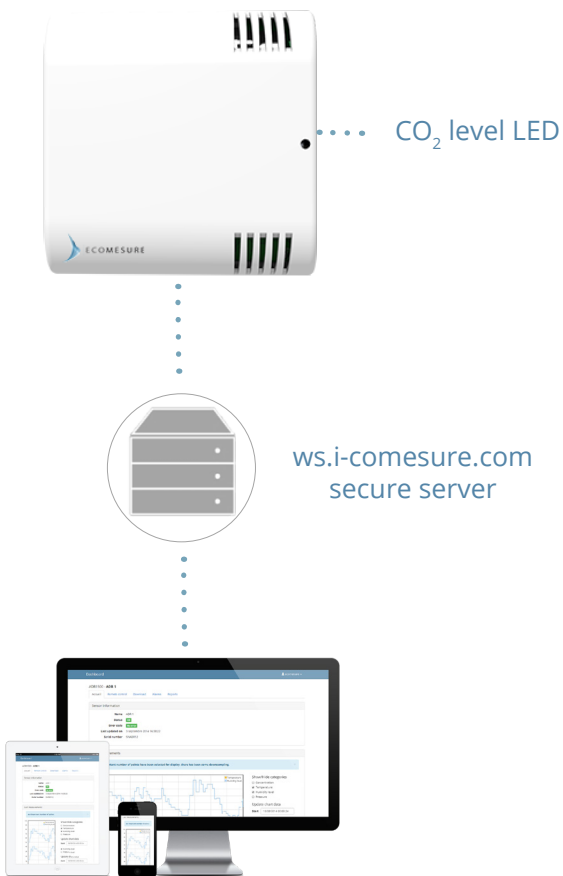


ECOMNANO

CO₂ AIR SENSOR



Online platform for viewing and managing data



Building regulations are increasingly being updated to address the importance of indoor air quality, which is recognized as a major public health issue.

EcomNano measures CO₂ concentrations (index of stuffy air) so that you can reduce their harmful effects on health and limit the risks of airborne transmission of COVID-19.

Thanks to its LED, EcomNano lets you know when it is time to ventilate a room.

All of the data recorded by your EcomNano monitors are available on our secure ws.i-comesure web platform for easy management and analysis.

+ BENEFITS

- + Installs and is quickly ready to use
- + Real-time air monitoring
- + Configurable alerts
- + Efficient management and analysis platform

+ APPLICATIONS

- + Educational institutions of all levels
- + Care home and medical institutions
- + Individual offices, open-plan layouts, meeting rooms
- + Restaurants, hotels, shopping malls

ECOMNANO

TECHNICAL SPECIFICATIONS

Connectivity	LoRa
Configuration	Bluetooth (BLE 4.2), USB with Ecomesure support for gateway setup
Air stuffiness index	LED flashes green, orange or red depending on the CO ₂ level (NBN EN 13779 standard)
Access to data	https://ws.i-comesure.com
Web services	Mapping Multi-mode data display Device status Data storage Data downloading Configurable alerts/alarms Data analytics reports Virtual Integrated Devices (VID) Data encryption API Data-base export
Data security	Local + Cloud-based SSL encryption
Power supply	One interchangeable battery pack (7.2 Ah)
Battery life	Up to 5 years depending on the type of connectivity, the sampling rate and the use of night mode
Maintenance	Automatic calibration process
Dimensions	80 x 80 x 35 mm (31½" x 31½" x 13 ^{25/32} "
Weight	200 g (7.05 oz)

MEASUREMENT SPECIFICATIONS

Sensors	Measurement range	Technology	Resolution	Accuracy
CO ₂	0-10,000 ppm	Photoacoustic (equivalent to NDIR)	1 ppm	+/- 40 ppm +5% from 400 to 5000 ppm
VOCs*	0.3-30 ppm ethanol	MOX	0.05 ppm	N/A
Température	-40 to +125 °C (-40 to 257 °F)	Temperature sensor	0.01 °C (32 °F)	+/- 0.2 °C / 32.4 °F (range: -40 to +80 °C / -40 to 176 °F)
Relative humidity	0-100 %	RH sensor	0,01% HR	+/- 2%

*The platform displays a VOC index for detecting changes in VOC concentrations and intensities.

Air quality - CO₂ sensor indoor LPWAN

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