

AERO

8-in-1 room sensor

Nexelec

www.nexelec.fr



Intelligent and connected

On-board data analysis algorithm. Remote reading of measurements. All information is available in a secure cloud space



Design

Facilitates product acceptance by occupants

CO₂ Carbon Dioxide

VOC Volatils Organics Compounds

Temperature

Humidity

Pa Atmospheric pressure

Presence

Luminosity

Noise

Monitors indoor air quality

Numerous built-in sensors continuously analyze the atmosphere. Valuable data for occupant well-being

Controls VOC emissions

Volatile Organic Compounds are very present in indoor air. The VOC sensor quickly identifies excessively high concentration levels

Presence detection

Motion sensor detects people up to 6 meters away. Useful for lighting, security or temperature control

iZiAiR assesses Air Quality

This on-board algorithm simplifies the interpretation of the numerous data measured by the sensors. A useful and effective decision-making aid for healthier air

Detects and measures ambient light

The brightness sensor measures the amount of light in the room. Useful for controlling lighting or adjusting temperature more quickly according to sunshine levels

Sound under control

Measures noise and identifies noise pollution. Helps preserve a calm and peaceful environment

Temperature / Humidity

For better indoor comfort. Measures ambient parameters in offices or homes

AERO

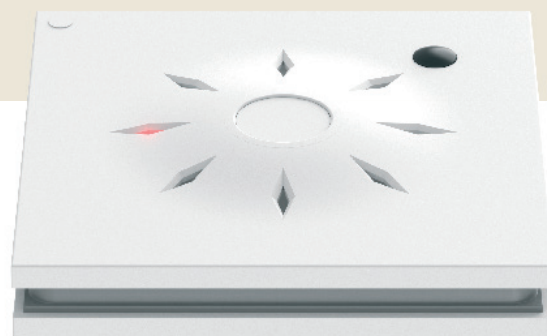
8-in-1 room sensor

Nexelec

Reference	Radio	Frequency
I430LR	LoRaWAN	EU868 MHz

105 mm

30 mm



105 mm

Net weight: 200 g (including battery)

FUNCTIONS



Anti-theft protection

Lockable mounting base reduces risk of sensor removal



Easy to configure

Easy product adjustment via contactless NFC technology from a smartphone



USB-C socket

Universal connector for quick and easy power supply



Regulatory compliance

Direct-reading sensor compliant with French standards for measuring CO₂ concentration in indoor air



Indicator light

The Green / Orange / Red indicator changes with the CO₂ level and alerts you when it's time to ventilate to renew the indoor air



Easy to install

Free-standing on desk, wall or flush-mounted box. Adhesive mounting included



Calibration certificate

Accuracy of CO₂, temperature and humidity measurements validated by a COFRAC-accredited metrology laboratory



Instantaneous measurement

Easy to operate, thanks to a button on the front of the sensor. Useful for occupants or technicians (function can be deactivated)

FEATURES

Volatils Organics Compounds

Res.: 1 µg/m³

Prec.: 25%

Measuring range: 0 - 10 000 µg/m³

Atmospheric pressure

Res.: 1 pHa

Prec.: ±2.5 hPa

Measuring range: 300 - 1100 hPa

Carbon Dioxide

Res.: 1 ppm

Prec.: ±(30 ppm + 3% de la valeur)

Measuring range : 0 - 10 000 ppm

Luminosity

Res.: 5 lux

Prec.: ±5 lux

Measuring range: 0 - 1 000 lux

Noise

Res.: 1 dB

Prec.: ±5 dB

Measuring range: 35 - 120 dB

Presence

Technology: Passive InfraRed (PIR)

Angle: 82° (Vertical and Horizontal)

Detection distance: 7m

Temperature

Res.: 0.1°C

Prec.: ±0.2°C

Measuring range: -30°C to +70°C

Humidity

Res.: 0.5% R.H.

Prec.: ±2% R.H.

Measuring range: 0 - 100% R.H.

Mounting-type

Wall-mounted or free-standing

Connectivity



Power supply

1 USB-C socket

Warranty⁽¹⁾

2 years

Conditions of use

Indoor environment

Temperature: -20°C to +50°C

Humidity: 0% RH to 99% RH (non-condensing)

Certification



Box content

1 sensor

1 removable stand

1 mounting base

1 AC adapter

1 x 1.8m USB-C cable

2 nylon screws and plugs

13M® adhesive fastener

⁽¹⁾ Please refer to the information available on www.support.nexelec.fr