

SENSE+

9-in-1 Room Sensor

Click or scan to find out more about the product



Intelligent and connected



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

Nexelec

- Particulate Matter
- CO₂ Carbon Dioxide
- COV Volatils Organics Compounds
- Temperature
- Humidity
- Pa Atmospheric Pressure
- Presence
- Luminosity
- Noise

E-Ink Screen



Direct reading of ambient measurements for a better user experience

Monitors air quality

The many built-in sensors continuously analyse the atmosphere. Valuable data for the well-being of occupants

Monitoring VOC emissions

Volatile Organic Compounds are very present in indoor air. The VOC sensor quickly detects excessive concentration levels and optimizes ventilation control in real time

USB-C socket

Universal connector for quick and easy power supply

Presence detection

The motion sensor detects people up to 6 metres away. Useful for lighting, security or temperature control

Detects and measures ambient light

The luminosity sensor measures the amount of light in the room. Useful for controlling lighting or adjusting the temperature more quickly depending on the amount of sunlight

Sound under control

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

Temperature / Humidity

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

Detects smoke from (e)cigarettes

Thanks to its high-performance sensor, the product accurately detects smoke from cigarettes and e-cigarettes. Ideal for rental properties



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Nexelec

www.nexelec.eu

Reference

X255LR

Radio

LoRaWAN



Various protocols and radio zones available.
Click or scan this QR Code to select the appropriate reference.

87 mm

30 mm

130 mm

Net weight: 200 g (including battery)



FONCTIONS



Enhanced cyber security

Data transmitted by the product is secured from end to end using double AES128 encryption



Easy to configure

Easy product adjustment via contactless NFC technology from a smartphone



Anti-tear detection

Triggers an alert message if the product is removed from its mounting base



Regulatory compliance

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



Accuracy of CO₂ measurement

No risk of measurement drift. Automatic weekly recalibration of CO₂ sensor. Manual calibration possible



Instantaneous measurement

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



270° Air

Numerous side openings for better ambient air analysis



Easy-to-read 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.



Calibration certificate

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



Saves measured data

Built-in micro SD card. Up to 10 years of sensor measurements stored in memory. Useful in the event of a power cut



Anti-theft protection

Lockable mounting base reduces risk of sensor removal



Sound signal

An audible signal notifies occupants if the Indoor Air Quality deteriorates. Can be activated/deactivated locally or remotely



Reliable data transmission

Transmission modes adapted to every need, with redundant transmissions for high availability of critical data



Easy to install

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



Insect barrier

Product-integrated pest screen



iZiAIR assesses air quality

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

FEATURES

Volatils Organic Compounds

Measurement index: 0 - 500
0 - 100: Improvement in IAQ
100 - 500: Deterioration in IAQ

Noise

Res.: 1 dB
Prec.: ±5 dB
Measuring range: 35 - 120 dB

Temperature

Res.: 0.1°C
Prec.: ±0.2°C
Measuring range: -30°C - +70°C

Conditions of use

Indoor environment
Temperature: -20°C to +50°C
Humidity: 0% RH to 99% RH (non-condensing)

Particulate Matter (PM1, PM2.5, PM10)

Res.: 1 µg/m³
Prec.: ±15 µg/m³ or ±10% measured value
Measuring range: 0 à 2 000 µg/m³

Presence

Technology: Passive InfraRed (PIR)
Angle: 82° (Vertical and Horizontal)
Detection distance: 7m

Power Supply

1 USB-C port

Mounting type

Wall-mounted or free-standing

Warranty⁽¹⁾

2 years

Atmospheric pressure

Res.: 1 hPa
Prec.: ±0.2 hPa
Measuring range: 300 - 1 100 hPa

Luminosity

Res.: 5 lux
Prec.: ±5 lux
Measuring range: 0 - 1 000 lux

Connectivity*



Certification*



Carbon Dioxide

Res.: 1 ppm
Prec.: ±(50 ppm + 3% de la valeur)
Measuring range: 0 - 10 000 ppm

Humidity

Res.: 0.5% R.H.
Prec.: ±2% R.H.
Measuring range: 0 - 100% R.H.

Box content

1 sensor
1 USB-C cable
1 SD card
1 mounting base
2 nylon screws and plugs
13M[®] adhesive mount

⁽¹⁾Please refer to the information available on www.support.nexelec.fr *Available according to reference.