

SENSE

9-in-1 room sensor

Nexelec

www.nexelec.fr

- Particulate Matter
- CO₂ Carbon Dioxide
- COV Volatile Organic Compounds
- Temperature
- Humidity
- Pa Atmospheric pressure
- Presence
- Luminosity
- Noise



Intelligent and connected

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



Design

Facilitates product acceptance by occupants

Monitors indoor air quality

Numerous built-in sensors continuously analyzing 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

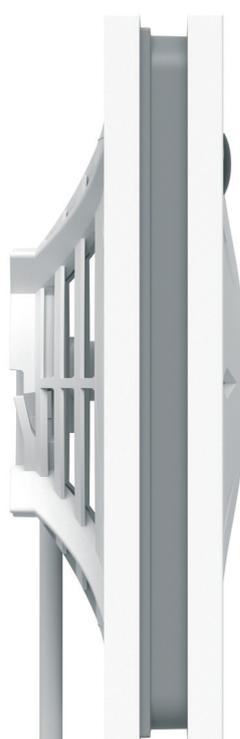
The brightness sensor measures the amount of light in the room. Useful for controlling lighting or adjusting temperature more quickly according to sunshine levels

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



SENSE

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105 mm

30 mm

105 mm

Net weight: 200 g (including battery)

| Reference | Radio | Frequency |
|-----------|---------|-----------|
| I655LR | LoRaWAN | EU868 MHz |

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



Easy to install

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



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 in accordance to the CO2 level and alerts you when it's time to ventilate and renew indoor air



Calibration certificate

Accurate 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

Volatile organic compounds

Res.: 1 µg/m3

Prec.: 25%

Measuring range: 0 - 10 000 µg/m3

Particulate matter (PM1, PM2.5, PM10)

Res.: 0.1 µg/m3

Prec.: ±15 µg/m3 or ±10% value

Measuring range: 0 - 2 000 µg/m3

Atmospheric pressure

Res.: 1 hPa

Prec.: ±2.5 hPa

Measuring range: 300 - 1100 hPa

Carbon Dioxide

Res.: 1 ppm

Prec.: ±(50 ppm + 3% value)

Measuring range: 0 - 10 000 ppm

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

Luminosity

Res.: 5 lux

Prec.: ±5 lux

Measuring range: 0 - 1000 lux

Humidity

Res.: 0.5% R.H.

Prec.: ±2% R.H.

Measuring range: 0 - 100% R.H.

Temperature

Res.: 0.1°C

Prec.: ±0.2°C

Measuring range: -30°C to +70°C

Mounting type

Wall-mounted or free-standing

Connectivity



Power supply

1 USB-C socket

Conditions of use

Indoor environment

Temperature: -20°C to +50°C

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

Certification



Warranty⁽¹⁾

2 years

Set contents

1 sensor

1 removable stand

1 mounting base

1 AC adapter

11.8m USB-C cable

2 nylon screws and plugs

13M[®] adhesive fastener

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