ATMO

10-in-1 room sensor

Nexelec

- HCHO Formaldehyde
- Particulate Matter
- CO₂ Carbon Dioxyde
- 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 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

Analyzes formaldehyde levels

Continuously monitors formaldehyde emissions to help you pinpoint the most exposed areas

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 I Humidity

For better indoor comfort. Measures ambient parameters in offices or homes
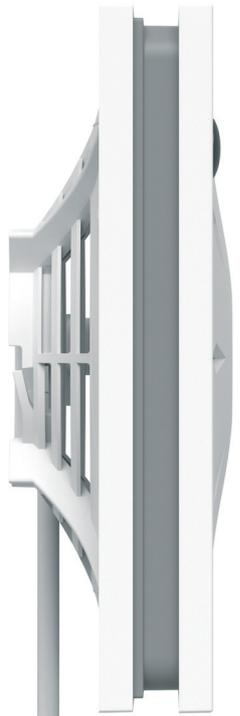
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Reference	Radio	Frequency
I665LR	LoRaWAN	EU868 MHz

105 mm

30 mm
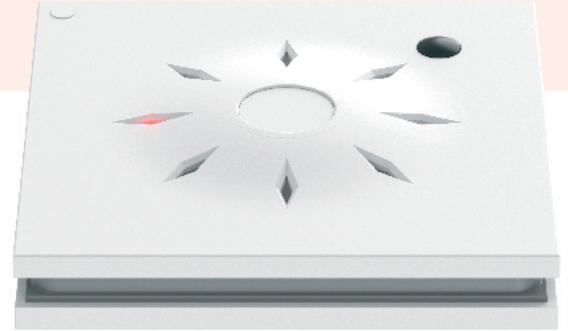
105 mm

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

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 CO_2 concentration in indoor air

Indicator light

The Green / Orange / Red indicator changes in accordance to the CO_2 level and alerts you when it's time to ventilate and renew indoor air

Calibration certificate

Accurate CO_2, 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

Formaldehyde
Res.: 1 ppb
Prec.: ±20 ppb or ±20% value
Measuring range: 0 - 10 000 ppb

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 pHa
Prec.: ±2.5 hPa
Measuring range: 300 - 1 100 hPa

Carbon Dioxide
Res.: 1 ppm
Prec.: ±(50 ppm + 3% value)
Measuring range: 0 - 10 000 ppm

Volatile organic compounds
Res.: 1 µg/m3
Prec.: 25%
Measuring range: 0 - 10 000 µg/m3

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

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

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.

Connectivity
LoRaWAN

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)

Mounting type
Wall-mounted or free-standing

Warranty[1]
2 years

Certification
UKCA CE

Set contents
1 sensor
1 removable stand
1 mounting base
1 AC adapter

1 1.8m USB-C cable
2 nylon screws and plugs
1 3M® adhesive fastener

[1]Please refer to the information available on the www.support.nexelec.fr website.

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