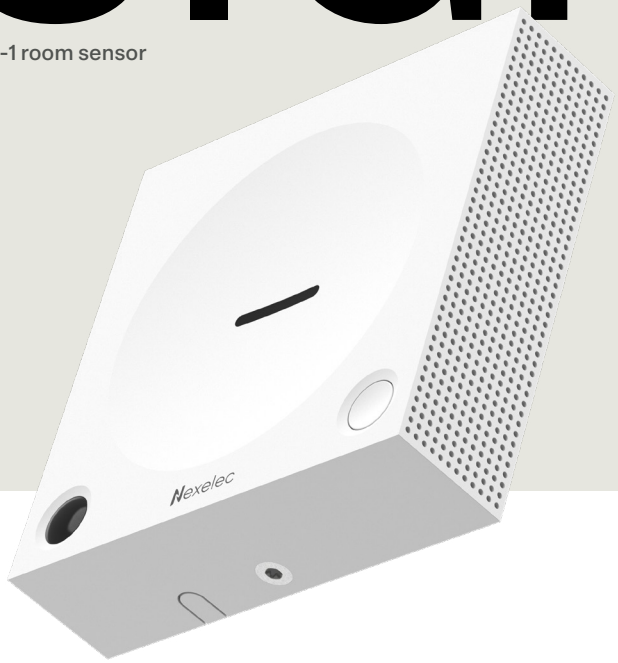
SIGN

7-in-1 room sensor

Scan or click to discover product in details



Nexelec

- CO_2 Carbon Dioxide
- VOC Volatils Organic Compounds
- Temperature
- Humidity
- Presence
- Luminosity
- Noise

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

Monitors Indoor Air Quality

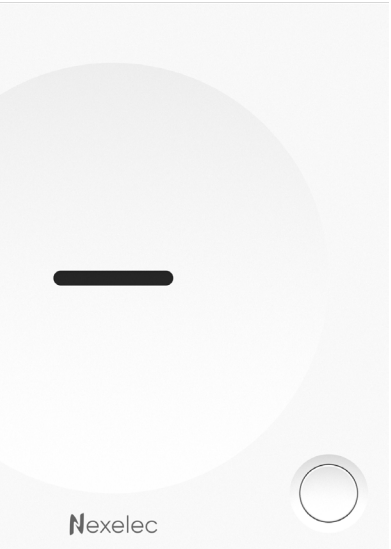
Numerous built-in sensors continuously analyze the atmosphere. Valuable data for occupant well-being

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

The on-board algorithm simplifies interpretation of the extensive data measured by the sensors. Useful, effective decision support 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

Reliable data transmission

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

Temperature / Humidity

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

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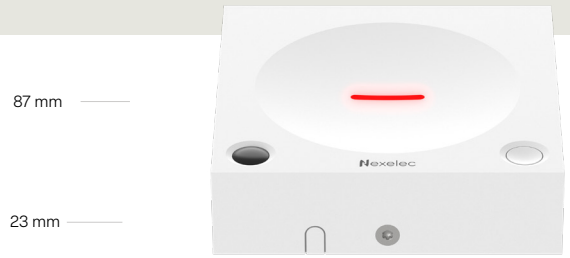
Nexelec

www.nexelec.eu

Reference	Radio	Frequency
X565LS	LoRaWAN - Sigfox	EU868 MHz - RC1
X565LR	LoRaWAN	US915 MHz
X565LR_AU	LoRaWAN	AU915 MHz
X565LR_IN	LoRaWAN	IN865 MHz



Net weight: 150 g (including battery)

FUNCTIONS

Signal tone

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

Easy to configure

Easy product adjustment via contactless NFC technology from a smartphone

High-performance battery

Operates on replaceable lithium batteries. Up to 20 years(1) of autonomy

USB-C socket

Universal connector for quick and easy power supply

Saves measured data

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

Clearly visible 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

270° Air

Numerous side openings for better ambient air analysis

Instantaneous measurement

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

Anti-tear detection

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

Easy to install

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

Anti-theft protection

Lockable mounting base reduces risk of sensor removal

Regulatory compliance

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

Measurement accuracy

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

Calibration certificate

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

Enhanced cyber security

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

FEATURES

Volatils Organic Compounds

Res.: 1 µg/m3

Prec.: 25%

Measuring range: 0 - 10 000 µg/m3

Carbon Dioxide

Res.: 1 ppm

Prec.: ±(50 ppm + 3% value)

Measuring range: 0 - 5 000 ppm

Conditions of use

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

Certification*

Presence

Technology: Passive infrared (PIR)
Angle: 92° (Vertical and Horizontal)
Detection distance: 6m

Temperature

Res.: 0.1°C

Prec.: ±0.2°C

Measuring range: -30°C - +70°C

Data transmission mode

Periodic
Grouped data (datalog) with transmission redundancy

Connectivity*

Luminosity

Res.: 5 lux

Prec.: ±5 lux

Measuring range: 0 - 5 000 lux

Humidity

Res.: 0.5% R.H.

Prec.: ±2% R.H.

Measuring range: 0 - 100% R.H.

Mounting type

Wall-mounted or free-standing

Warranty(2)

2 years

Mostly recyclable product

Noise

Res.: 1 dB

Prec.: ±5 dB

Measuring range: 35 - 120 dB

Power supply

2 battery slots
1 USB-C socket

Box content

1 sensor
2 batteries included
1 mounting base
1 SD card
2 nylon screws and plugs
1 3M® adhesive fastener

(1) Battery life is not guaranteed and may vary according to settings and product use. (2) Please refer to the information available on www.support.nexelec.fr *Available according to reference

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