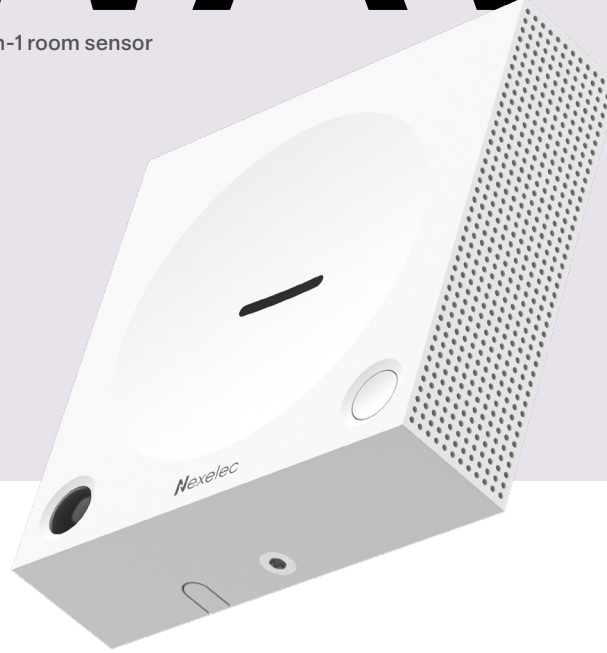


WAVE

5-in-1 room sensor

Scan or click to discover product in details



Intelligent and connected

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

Nexelec



Design

Facilitates product acceptance by occupants

Carbon Dioxide

Temperature

Humidity

Presence

Luminosity

Monitors Indoor Air Quality

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

Presence detection

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

Temperature / Humidity

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

Detects and measures ambient light

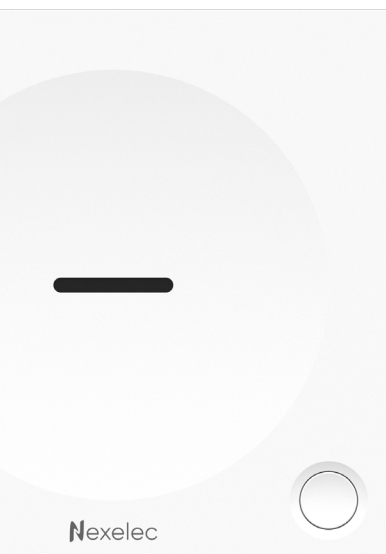
The brightness sensor measures the amount of light in the room. Useful for controlling lighting or adjusting temperature more quickly according to sunshine levels

High-performance battery

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

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



WAVE

5-in-1 room sensor

Nexelec

www.nexelec.eu



87 mm

23 mm

87 mm

Net weight: 150 g (including battery)

Reference	Radio	Frequency
X530LS	LoRaWAN - Sigfox	EU868 MHz - RC1
X530LR	LoRaWAN	US915 MHz
X530LR_AU	LoRaWAN	AU915 MHz
X530LR_IN	LoRaWAN	IN865 MHz

FUNCTIONS



Anti-tear detection

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



Easy to configure

Easy product adjustment via contactless NFC technology from a smartphone



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)



Measurement accuracy

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



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



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



Reliable data transmission

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

FEATURES

Carbon Dioxide

Res.: 1 ppm
Prec.: $\pm(50 \text{ ppm} + 3\% \text{ value})$
Measuring range: 0 - 5 000 ppm

Presence

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

Luminosity

Res.: 5 lux
Prec.: $\pm 5 \text{ lux}$
Measuring range: 0 - 5 000 lux

Temperature

Res.: 0.1°C
Prec.: $\pm 0.2^\circ\text{C}$
Measuring range: -30°C - +70°C

Humidity

Res.: 0.5% R.H.
Prec.: $\pm 2\% \text{ R.H.}$
Measuring range: 0 - 100% R.H.

Power supply

2 battery slots
1 USB-C socket

Certification*



Connectivity*



Conditions of use

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

Data transmission mode

Periodic
Grouped data (datalog) with transmission redundancy

Mounting type

Wall-mounted or free-standing

Warranty⁽²⁾

2 years

Mostly recyclable product

Box content

1 sensor
2 batteries included
1 mounting base
1 SD card
2 nylon screws and plugs
13M® 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