

# WAVE +

5-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

## High-performance battery



Runs on replaceable lithium batteries. Up to 15 years<sup>(1)</sup> of autonomy

Nexelec

Carbon Dioxide

Temperature

Humidity

Presence

Luminosity

## E-Ink Screen

Direct reading of ambient measurements for a better user experience

## Presence detection

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

## Monitors indoor air quality

The CO2 sensor analyses the atmosphere every 5 minutes and informs you whether it is necessary to ventilate or close the window

## Temperature / Humidity

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

## 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

## 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+

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Nexelec

www.nexelec.eu

Reference	Radio
X230LR	LoRaWAN



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



## FUNCTIONS



### 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



### 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



### Calibration certificate

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



### Anti-theft protection

Lockable mounting base reduces risk of sensor removal



### Regulatory compliance

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



### 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

## 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 à 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.  
Acc.:  $\pm 2\% \text{ R.H.}$   
Measuring range: 0 - 100% R.H.

### Power Supply

3 battery slots

### 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

### Box content

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

### Warranty<sup>(2)</sup>

2 years

<sup>(1)</sup>Battery life is not guaranteed and may vary according to settings and product use. <sup>(2)</sup>Please refer to the information available on [www.support.nexelec.fr](http://www.support.nexelec.fr) \*Available according to reference.