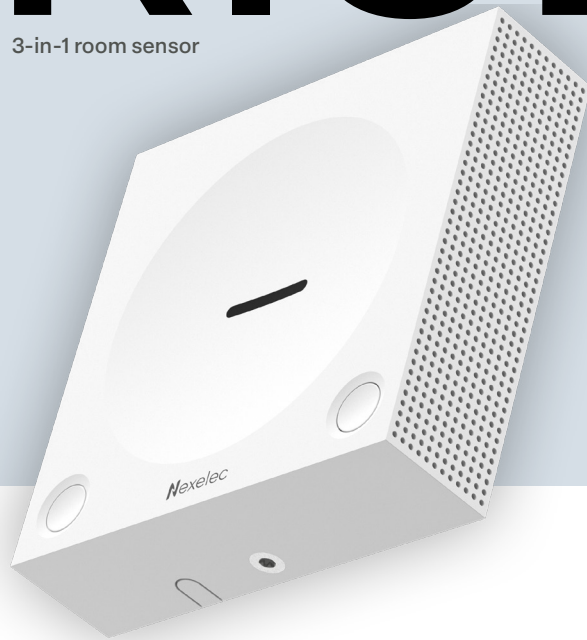


# RISE

3-in-1 room sensor

Click or scan to discover product in details



## Connected



Remote reading of measurements. All information is available in a secure cloud space

Nexelec

## Monitors Indoor Air Quality



The CO2 sensor analyzes the atmosphere every 5 minutes and informs if it is necessary to ventilate or close the window

CO<sub>2</sub> Carbon Dioxide

Temperature

Humidity

### Temperature / Humidity

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

### High-performance battery

Operates on replaceable lithium batteries. Up to 20 years<sup>(1)</sup> of autonomy

### 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 CO<sub>2</sub> level and alerts you when it's time to ventilate to renew the indoor air.

### Regulatory compliance

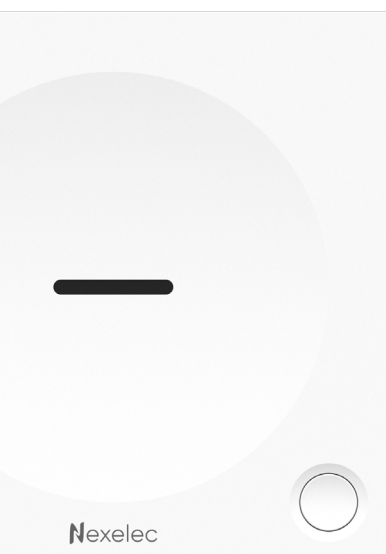
Direct-reading sensor compliant with French standards for measuring CO<sub>2</sub> concentration in indoor air

### Calibration certificate

Accuracy of CO<sub>2</sub>, temperature and humidity measurements validated by a COFRAC-accredited metrology laboratory

### Accuracy of CO<sub>2</sub> measurement

No risk of measurement drift over time. Automatic weekly recalibration of the CO<sub>2</sub> sensor. Manual sensor calibration is also possible



# RISE

3-in-1 room sensor

Nexelec

www.nexelec.eu



Reference	Radio	Frequency
X520LS	LoRaWAN - Sigfox	EU868 MHz - RC1
X520LR	LoRaWAN	US915 MHz
X520LR_AU	LoRaWAN	AU915 MHz
X520LR_IN	LoRaWAN	IN865 MHz

## 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



### 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-theft protection

Lockable mounting base reduces risk of sensor removal



### Easy to install

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



### Anti-tear detection

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



### 270° Air

Numerous side openings for better ambient air analysis



### Insect barrier

Product-integrated pest screen



### Reliable data transmission

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



### Enhanced cyber security

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



### Design

Facilitates product acceptance by occupants

## FEATURES



### Carbon Dioxide

Res.: 1 ppm  
Prec.: ±(50 ppm + 3% value)  
Measuring range: 0 - 5 000 ppm



### Temperature

Res.: 0.1°C  
Prec.: ±0.2°C  
Measuring range: -30°C - +70°C



### Humidity

Res.: 0.5% R.H.  
Prec.: ±2% R.H.  
Measuring range: 0 - 100% R.H.



### Connectivity\*



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

2 years

### Box content

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

### Certification\*



Mostly recyclable product

### Power supply

2 battery slots

### Data transmission mode

Periodic  
Grouped data (datalog) with transmission redundancy

<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