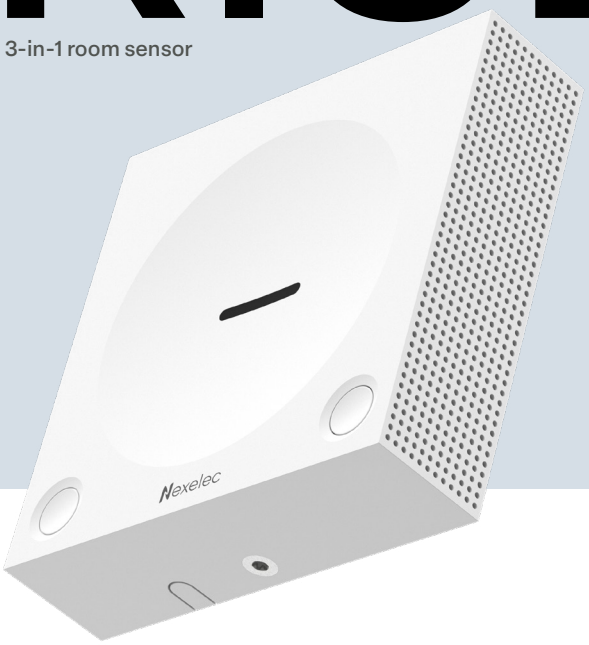
RISE

3-in-1 room sensor



Discover product in details

Nexelec

- CO_2 Carbon Dioxide
- Temperature
- Humidity

Connected

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

Monitors Indoor Air Quality

CO_2 The CO2 sensor analyzes the atmosphere every 5 minutes and informs if it is necessary to ventilate or close the window

Temperature / Humidity

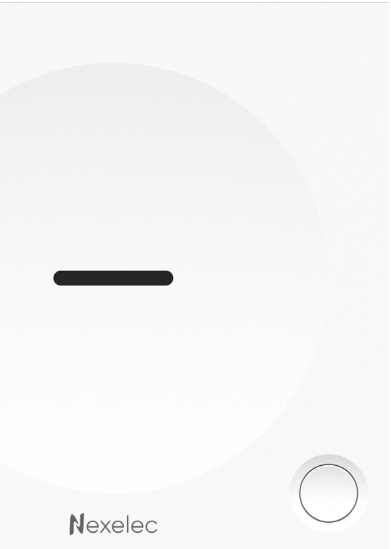
For better indoor comfort. Measures ambient parameters in offices or homes

High-performance battery

Operates on replaceable lithium batteries. Up to 20 years[1] 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 CO2 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 CO2 concentration in indoor air

Calibration certificate

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

Accuracy of CO2 measurement

No risk of measurement drift over time. Automatic weekly recalibration of the CO2 sensor. Manual sensor calibration is also possible

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Nexelec

www.nexelec.eu

Reference	Radio	Frequency
X520LS	LoRaWAN - Sigfox	EU868 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

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
LoRaWAN sigfox

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

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

Certification
UK CA CE

Warranty[2]
2 years

Mostly recyclable product

Power supply
2 battery slots

Data transmission mode
Periodic
Grouped data (datalog) with transmission redundancy

[1] Battery life is not guaranteed and may vary according to settings and use [2] Please refer to the information available on the www.support.nexelec.fr website