CARBON

3-in-1 room sensor

Nexelec

www.nexelec.fr

CO_2 Carbon Dioxide

Temperature

Humidity

Connected

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

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 I Humidity

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

10-years[1] battery

High-performance lithium battery

Indicator light

The Green / Orange / Red indicator changes in accordance to the CO2 level and alerts you when it's time to ventilate and renew indoor air

Regulatory compliance

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

Calibration certificate

Accurate 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
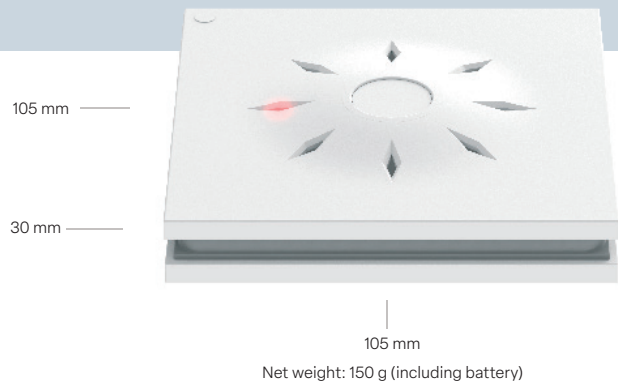
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Reference	Radio	Frequency
I420LR	LoRaWAN	EU868 MHz
I420SF	Sigfox	EU868 MHz
I420EO	EnOcean	EU868 MHz

105 mm

30 mm

105 mm

Net weight: 150 g (including battery)

FUNCTIONS

Easy to install
Free-standing on a desk or wall-mounted. Adhesive mounting included

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

Design
Facilitates product acceptance by occupants

FEATURES

Carbon Dioxide
Res.: 1 ppm
Prec.: ±(30 ppm + 3% value)
Measuring range: 0 - 10 000 ppm

Temperature
Res.: 0.1°C
Prec.: ±0.3°C
Measuring range: -30°C à +70°C

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

Choice of connectivity
LoRaWAN
sigfox
enocean

Conditions of use
Indoor environment
Temperature: 0°C to +50°C
Hygrometry: 0% RH to 95% RH (non-condensing)

Mounting type
Wall-mounted or free-standing

Warranty[2]
2 years

Set contents
1 sensor
1 mounting base
1 removable stand
1 AC adapter
1 1.8m USB-C cable
2 nylon screws and plugs
1 3M® adhesive fastener

Certification
UKCA   CE

Power supply
3x integrated lithium batteries (5,850 mAh)

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

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