






MOVE

5-in-1 room sensor

Nexelec

www.nexelec.fr

-  Presence
-  Luminosity
-  Noise
-  Temperature
-  Humidity



Connected

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



Presence detection

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

Sound under control

Measures noise and identifies noise pollution. Helps preserve a calm and peaceful environment

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

Reliable data transmission

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

High-performance battery

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

Design

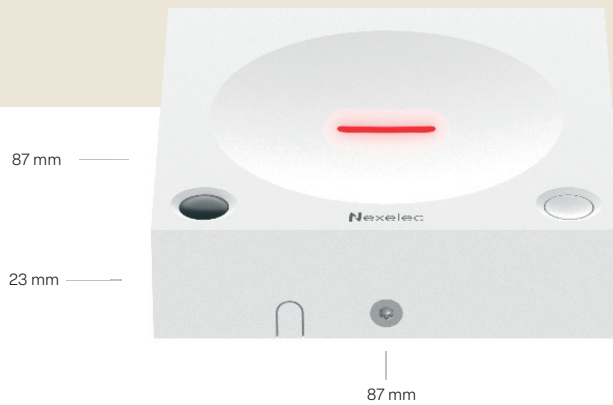
Facilitates product acceptance by occupants



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Net weight: 150 g (including battery)

Reference	Radio	Frequency
X590LS	LoRaWAN	EU868MHz

FUNCTIONS



Calibration certificate

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



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



Enhanced cyber security

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

CARACTÉRISTIQUES



Presence

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



Luminosity

Res.: 5 lux
Prec.: ±5 lux
Measuring range: 0 - 5 000 lux



Noise

Res.: 1 dB
Prec.: ±5 dB
Measuring range: 35 - 120 dB



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.

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

Connectivity



Power supply

2 battery slots

Certification



Mounting type

Wall-mounted or free-standing

Box content

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

Mostly recyclable product

Warranty⁽²⁾

2 years

⁽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