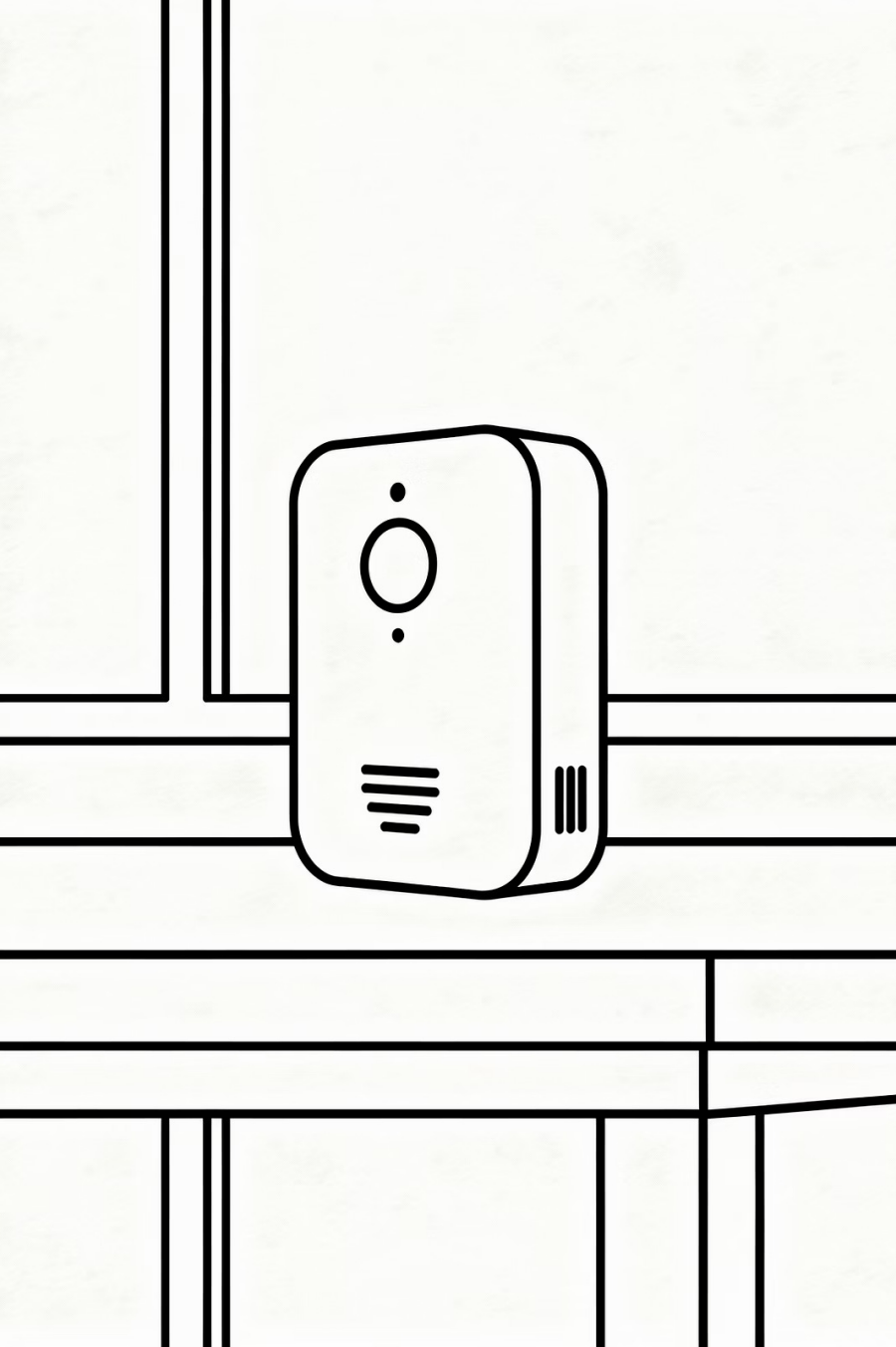




# Smart 7

The **7-in-1 Room Sensor** — intelligent, connected, and designed for the well-being of building occupants. On-board data analysis, remote measurement reading, and all information available in a secure cloud space.

SMART-ANGEL CERTIFIED

LORAWAN CONNECTED

# Monitors 7 Key Parameters

Numerous built-in sensors continuously analyze the atmosphere, providing valuable data for occupant well-being.



## Carbon Dioxide

Monitors CO2 levels to ensure healthy indoor air quality



## Volatile Organic Compounds

Quickly identifies excessively high VOC concentration levels



## Temperature

Measures ambient parameters for better indoor comfort



## Humidity

Measures ambient parameters for better indoor comfort



## Presence

Motion sensor detects people up to 6 meters away



## Luminosity

Measures light levels for lighting control and temperature adjustment



## Noise

Measures noise pollution to preserve a calm environment

The on-board **iZiAiR algorithm** simplifies interpretation of extensive sensor data — effective decision support for healthier air.

# Key Performance Highlights

**7**

## **Sensors in 1**

CO2, VOC, Temp, Humidity, Presence, Luminosity, Noise

**20yr**

## **Battery Life**

Up to 20 years autonomy on replaceable lithium batteries

**10yr**

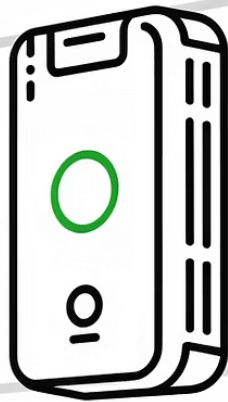
## **Data Storage**

Sensor measurements stored on integrated micro SD card

**6m**

## **Detection Range**

Motion sensor detects people up to 6 meters away



# Smart Features & Functions

The Smart 7 is packed with features designed for ease of use, reliability, and occupant safety.



## **Signal Tone**

Audible alert notifies occupants if Indoor Air Quality deteriorates. Activated/deactivated locally or remotely.



## **Easy to Configure**

Product adjustment via contactless NFC technology from a smartphone.



## **Anti-Theft Protection**

Triggers an alert if removed from its base. Lockable mounting base reduces removal risk.



## **Easy to Install**

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



## **USB-C Socket**

Universal connector for quick and easy power supply.



## **Enhanced Cyber Security**

Data secured end-to-end using double AES128 encryption.

# Accuracy, Compliance & Connectivity

## Measurement Accuracy

Automatic weekly recalibration of CO2 sensor. Manual calibration possible — no risk of measurement drift.

## Calibration Certificate

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

## Regulatory Compliance

Direct-reading sensor compliant with French standards for measuring CO2 concentration in indoor air which are currently more strict than the UK.

## Indicator Light

Green / Orange / Red LED changes with CO2 level, alerting occupants when ventilation is needed. This is optional for our providers.

## Sensor Specifications

| Parameter      | Resolution          | Precision     | Range                      |
|----------------|---------------------|---------------|----------------------------|
| CO2            | 1 ppm               | ±(5 ppm + 3%) | 0–5,000 ppm                |
| VOC            | 1 µg/m <sup>3</sup> | 25%           | 0–10,000 µg/m <sup>3</sup> |
| Temperature    | 0.1°C               | ±0.2°C        | -30°C – +70°C              |
| Humidity       | 0.5% RH             | ±2% RH        | 0–100% RH                  |
| Luminosity     | 5 lux               | ±5 lux        | 0–5,000 lux                |
| Noise          | 1 dB                | ±5 dB         | 35–120 dB                  |
| Presence (PIR) | 92° angle           | —             | Up to 6m                   |

## Connectivity

Radio: **LoRaWAN** · Ref: X565LS · Frequency: EU868 MHz.



# Technical Specifications & Certifications

## Physical & Power

Dimensions: **87 mm × 87 mm × 23 mm** · Net weight: 150 g (including battery) Power: 2 battery slots + 1 USB-C socket · Up to **20 years** autonomy on replaceable lithium batteries

## Data Storage

Integrated micro SD card stores up to **10 years** of measurements — useful in the event of a power cut.

## Conditions of Use

Indoor environment · Temperature: -20°C to +50°C · Humidity: 0–99% RH (non-condensing) · Wall-mounted or free-standing

## Design

White, square-shaped device with rounded corners, large circular sensor area, 270° side openings for better ambient air analysis, and a clearly visible LED indicator light.

## Certifications



## Smart-Angel Certified

Intelligent, connected, and designed for occupant well-being. Mostly recyclable product. Warranty: life of agreement.



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