

RoomAlyzer Air: Full+ sensor



Everything for your indoor climate in one sensor – with long battery life.

The Full+ Sensor provides the complete solution for precise monitoring of your indoor climate. Designed for professional use in all types of buildings, it combines robust industrial hardware with the intelligent RoomAlyzer software. The platform converts raw data into concrete analyses and recommendations for action. You thereby actively optimise operations, energy efficiency, and user wellbeing, while simultaneously ensuring the long-term structural preservation of your buildings. The Full+ operates 100% wirelessly; with a battery life of up to 10 years, it ensures maximum freedom from maintenance. Data transmission occurs via a closed network – completely independent of your local IT infrastructure.

Full+ sensor



Measures temperature, humidity, CO₂, and TVOC



Compact indoor climate sensor
Dimensions: H124 x W60 x D26 mm

Three core strengths:

- **Fact-based documentation of the indoor climate:** Replace subjective gut feelings during discussions about the indoor climate with objective facts. The high-end components of the Full+ Sensor guarantee maximum precision and market-leading long-term stability for temperature and humidity. Thanks to minimal drift, calibration is eliminated, allowing you to prove the actual conditions in black and white at any time.
- **Simple energy optimisation:** The sensor requires neither Wi-Fi nor a power connection – activation takes place with a single push of a button. Lower your heating costs by 5% per degree Celsius and document your savings in black and white.
- **Strengthening your DGNB certification and technical verification:** Optimise your DGNB processes through automated data collection instead of tedious Excel lists. The platform immediately provides the required datasets, giving you a precise tool for status and performance testing of your BMS and HVAC systems.

RoomAlyzer: The intelligent brain behind the sensors

Our platform transforms measurements into active property protection, wellbeing, and security. We combine years of experience with intelligent algorithms that secure your operations and preserve value.



Prevent damage around the clock:

Automatic email and SMS notifications inform you immediately when limit values are exceeded. This allows you to proactively protect your portfolio from damage and simultaneously reduce your energy costs based on data.



Detect mould before it becomes a problem:

Our mould forecast warns you immediately if the indoor climate favours mould growth. Following an incident, the platform supports you with audit-proof documentation during the monitoring of the entire drying process.

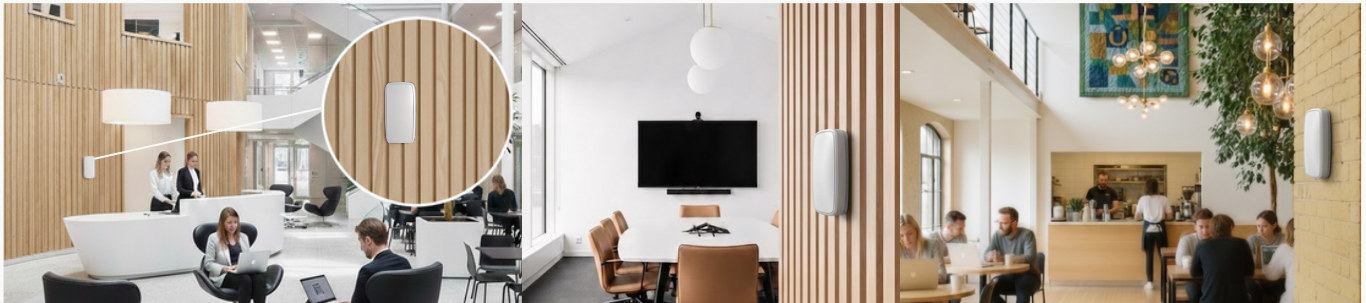


Automatic documentation, analysis, and AI:

RoomAlyzer delivers data in the desired format. You receive clear analyses as well as suggestions for measures and improvements – suitable for every operational scenario.

Your advantages with a simple and secure system:

Function	RoomAlyzer-advantage	Your benefit
Communication	NB-IoT: Direct cellular connection. Requires neither Wi-Fi nor gateways.	Simple installation and stable signal - even through thick walls and in basements.
Operation	Up to 10 years of battery life.	Stable operation with minimal maintenance and low operating costs.
Measurements	Precise and continuous monitoring of your indoor climate.	Audit-proof documentation for employees, management, and authorities.
System integration	Open REST API, Webhooks, and MCP for AI agents.	Future-proof solution that communicates with your other IT systems.
Data security	Full end-to-end encryption (AES-128) and 100% EU-based data hosting.	Secures full data ownership and simplifies your risk analysis regarding NIS2.
Personal data & GDPR	Exclusively technical measurement data without personally identifiable information.	Minimal administrative effort, as complex GDPR requirements do not apply to the measurements.



Technical specifications:

Sensors: Temperature, humidity, CO₂, and TVOC
Measuring Range: Temperature: -15 to +70 °C / Humidity: 0-99 % RH
Precision: Temperature ±0.1 °C / Humidity ±1% RH / CO₂ ±30 ppm (±3%)
Long-term Drift: Temperature < 0.03 °C/year / Humidity < 0.20 % RH/year (under normal conditions)
Communication: NB-IoT (Narrow Band Internet of Things)
Activation: Button on the sensor
Control Software: Web application and mobile app (iOS/Android)
Open API: Simple integration into third-party systems

Battery: Up to 10 years. Replaceable pack (ER26500, 8500 mAh)
Mounting: Screws or 3M adhesive pads
Dimensions: H124 x W60 x D26 mm
Weight: 130 g (incl. batteries)
Material: Impact-resistant white ABS plastic (robust and easy to clean)
Application: Offices, schools, museums, churches, archives, warehouses, and more
Certification: CE-certified