

RoomAlyzer Air: Mini+ PIR sensor



Precise indoor climate and space utilisation data – with a long battery life.

Mini+ PIR is the intelligent all-in-one solution for an optimised indoor climate and needs-based space utilisation. By combining precise climate measurements with anonymised occupancy tracking, you gain a holistic overview of your building dynamics. The RoomAlyzer platform transforms this data into analyses that enable efficient management of cleaning, heating, and space capacities. The Mini+ PIR operates 100% wirelessly, offers a battery life of up to 10 years, and transmits data via a closed, secure network – completely independently of your local IT infrastructure.

Your three core benefits:

- **Real-time documented indoor conditions:** With the Mini+ PIR, you create a reliable data foundation for your indoor climate, completely independent of current room usage. The high-end sensor technology guarantees maximum precision and market-leading long-term stability. Thanks to extremely low drift, ongoing calibration is unnecessary. This provides you with black-and-white verifiable facts that objectify any discussion.
- **Intelligent energy optimisation:** Because the sensor records room occupancy, you can instantly uncover unused savings potential in heating and ventilation. This pays off directly: reducing the room temperature by just one degree lowers your heating costs by 5%.
- **Fact-based needs analysis:** The Mini+ PIR provides the basis for deciding whether spaces need to be reallocated or if, for example, the cleaning of sanitary facilities should be based on actual usage rather than rigid intervals.

RoomAlyzer: The intelligent brain behind your sensors

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



Damage prevention and system optimisation:

Automatic notifications via email and SMS inform you or your team immediately as soon as critical threshold values are exceeded. The platform provides a full overview of numerous locations and buildings simultaneously, ensuring you always keep an eye on the status of the indoor climate and space utilisation.



Detect mould before it becomes a problem:

Our mould forecast warns you immediately if the indoor climate is conducive to mould growth. Following an incident, the platform supports you in monitoring the entire drying process with audit-proof documentation.



Automatic documentation and AI:

RoomAlyzer delivers data in the required format. The system learns from your buildings and helps you make your operations smarter and more cost-effective.

Mini+ PIR sensor



Measurement of temperature, humidity, and room utilisation

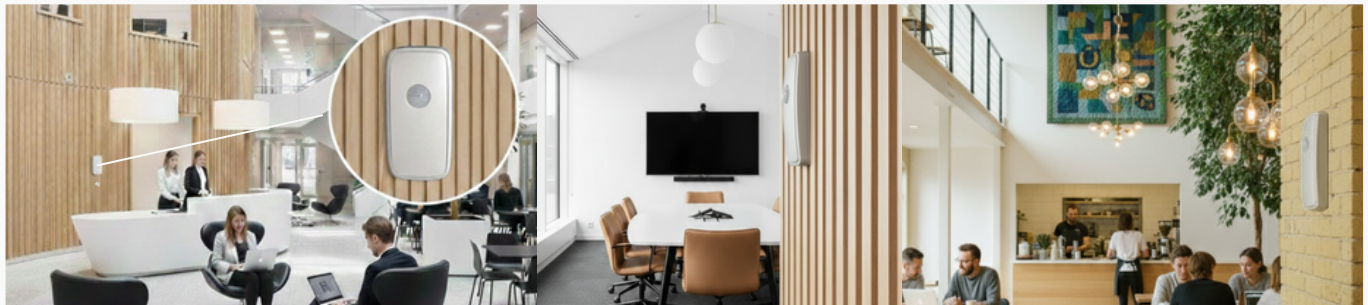


Compact indoor climate sensor
Dimensions: H124 x W60 x D26 mm

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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 a stable signal – even through thick walls and in basements.
Operation	Up to 10 years of battery life.	Stable operation with minimal maintenance requirements and low operating costs.
Measurements	Precise and continuous monitoring of your indoor climate and activity.	Audit-proof documentation for staff, 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.	Ensures full data ownership and simplifies your risk analysis with regard to 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, and room utilisation (PIR)
Measuring range: Temperature: -15 to +70°C / Humidity: 0–99% RH
Precision: Temperature ±0.1°C / Humidity ±1% RH
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: Easy integration into third-party systems

Battery: Up to 10 years. Replaceable pack (3 x AA lithium, 6,300 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