

RoomAlyzer Air: Temperature sensor



Secure and precise temperature monitoring in the world's smallest format.

The Temperature Sensor offers precise monitoring of critical environments where the smallest deviations have significant consequences. Thanks to its compact design and wireless connection, it validates the correct storage of medications and food, as well as the status of technical installations. The sensor operates in combination with the RoomAlyzer platform and delivers precise measurements for audit-proof documentation for management and authorities. The data is transmitted securely via a Cloud Connector independently of your local IT environment, providing you with a stable and interference-free early warning system solution around the clock.

Temperature sensor



Measurement of temperature



Compact, wireless temperature sensor
Dimensions: H19 x W19 x D3.5 mm

Your three core benefits:

- **Security in daily operations:** The sensor seamlessly records the status of your cooling and freezing equipment. This allows you to document the compliant storage of your goods and, upon request, receive a calibration certificate to ensure full compliance with all regulatory requirements.
- **Maximum autonomy, zero maintenance:** Thanks to a battery life of up to 15 years, battery changes and service calls are eliminated – even in hard-to-reach places. This guarantees you the lowest operating costs on the market.
- **Flexibility and quick installation:** The compact sensor is ready to use in seconds – entirely without Wi-Fi or cables. This independence makes it the ideal tool for precise temperature monitoring exactly where it is needed most.

RoomAlyzer: The intelligent brain behind your sensors

Our platform transforms precise temperature measurements into active protection and seamless documentation. We combine years of experience with intelligent algorithms to ensure the quality of your stock and assets.



Immediate response to deviations:

Automatic notifications via email and SMS ensure that you or your team are informed immediately as soon as a temperature limit is exceeded. This allows you to react before valuable medications or food spoil.



Central status checking of critical measuring points:

The platform provides you with a central overview of all cooling units and technical rooms across various locations. You manage all sensors in one place and ensure that everything operates optimally around the clock.



Automatic documentation, analysis, and AI:

RoomAlyzer provides you with data in the form of clear reports, which simplify the documentation of historical data. The system helps you to identify patterns and suggests optimisations to continuously improve your operations and security.

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Your benefits from a simple and secure system:

Function	RoomAlyzer-advantage	Your benefit
Communication	SecureDataShot™ via Cloud Connector. Requires neither Wi-Fi nor gateway configuration.	Stable connection completely independent of your local Wi-Fi or IT network.
Operation	Up to 15 years of battery life.	Maximum autonomy and stable operation without ongoing maintenance.
Measurements	Precise and continuous monitoring of your critical environments.	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
Measuring range: -40 to +85 °C
Precision: ±0.25 °C (between 0 and 60 °C)
Communication: SecureDataShot™ via Cloud Connector
Activation: Ready to use upon delivery
Control software: Web application and mobile app (iOS/Android)
Open API: Easy integration into third-party systems

Battery: Up to 15 years lifespan (integrated, non-replaceable)
Mounting: High-performance peel-and-stick tape
Dimensions: H19 x W19 x D3.5 mm
Weight: 3 g
Material: Impact-resistant modified acrylic film
Application: Cooling, freezing, medication storage, laboratories, and offices
Certification: CE, UKCA, and WEEE certified