# Smart, Automated Temperature Monitoring

## Ensure Compliance. Enhance Efficiency. Protect Assets.

AiRISTA's advanced Temperature Monitoring Solution leverages Wi-Fi and Bluetooth® Low Energy (BLE) to deliver real-time tracking, recording, and alerts for temperature-sensitive environments. Designed for industries where compliance and safety are paramount, our solution ensures your organization meets the highest regulatory standards while streamlining operations.

## The Challenge: Stricter Compliance & Operational Pressures

Hospitals, laboratories, and blood banks must adhere to stringent regulations from the Joint Commission, FDA, CAP, AABB, and other agencies. Traditional manual processes for temperature logging and monitoring are inefficient, error-prone, and difficult to scale. As regulatory scrutiny intensifies, organizations need a smarter way to ensure compliance, enhance patient safety, and improve operational efficiency.

### The AiRISTA Solution: Intelligent, Real-Time Monitoring

Our solution is designed for seamless deployment and reliable performance, offering:

- **Quick & Flexible Deployment –** Choose between cloud-based or on-premises solutions.
- **Automated Alerts & Reporting –** Stay informed with real-time notifications via email and SMS.
- **Seamless Wi-Fi & BLE Integration –** Utilize existing infrastructure for effortless connectivity.
- **Regulatory Compliance –** Built to meet CDC recommendations and other industry standards.

Equipped with Wi-Fi-enabled tags, our system continuously transmits environmental data for processing and alerting. BLE functionality enhances deployment flexibility and ensures reliable communication. For portable refrigeration units, optional location tracking adds an extra layer of security.

## The Impact: Visibility, Compliance & Peace of Mind

Powered by the Sofia RTLS software platform, AiRISTA's solution provides real-time environmental visibility, historical records for audits, and automatic reporting for compliance tracking.

**Customizable Reports** – Monthly compliance reports, deviation logs, and trend analyses delivered straight to your inbox.
**Exception-Based Alerts** – Ensure quick response to temperature excursions with automated alerts to designated personnel.
**End-to-End Traceability** – Maintain detailed records for regulatory audits and internal quality assurance.

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## How it Works

**Data Collection** – The sensor tag's probe captures temperature data (°F or °C), storing it locally and transmitting via Wi-Fi/BLE.

**Real-Time Monitoring** – The sofia platform receives and analyzes temperature data, ensuring continuous oversight.

**Instant Alerts** – When temperature levels exceed predefined thresholds, notifications are triggered via audio, visual, email, or SMS.

**Automated Compliance Reporting** – Historical data is logged, allowing for easy reporting and audit readiness.

## Getting Started is Simple

- Configure tags remotely using the Sofia software platform.
- Set up automated alerts and response rules.
- Deploy tags powered via USB.
- Schedule compliance reports and distribute them effortlessly.

## Solution Benefits

- **Customizable Temperature Probes** – select from a range of detachable probes to fit your needs
- **Reliable Power Supply** – USB-powered with an internal battery backup for uninterrupted operation
- **Real-Time Location Tracking** – monitor tag movement throughout your facility (optional feature)
- **Regulatory Compliance** – designed to align with CDC recommendations
- **Optimized for Cold Storage** – ensures precise monitoring of refrigeration and storage units
- **Seamless Wi-Fi & BLE Integration** – leverages your existing infrastructure for easy deployment
- **Future-Ready Solution** – offers a migration path for legacy system users

AiRISTA is proud to be recognized by Gartner for being in the "Leaders" quadrant in 2022, 2023, and 2024.

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