



Bluetooth Temperature Sensor

SKU: SI-SUBA-BLE-ESN-001

Monitor temperature with a compact Bluetooth® Low Energy (BLE) sensor designed for refrigerators, freezers, cold rooms and temperature-controlled environments. Featuring long battery life, high measurement accuracy and seamless integration with the Sense It Bluetooth Gateway, it provides reliable real-time monitoring and instant alerts.

OVERVIEW

This Bluetooth® Low Energy (BLE) temperature sensor provides accurate, reliable temperature monitoring for cold chain, pharmaceutical, food storage and industrial applications. The sensor continuously measures temperature and broadcasts readings to a nearby Sense It Bluetooth Gateway, which securely uploads the data to the Sense It cloud platform for real-time monitoring and reporting.

Its compact, battery-powered design makes installation quick and straightforward without requiring any wiring. Simply position the sensor in the monitoring area and it immediately begins transmitting temperature readings to the gateway. Multiple sensors can operate simultaneously, allowing a single gateway to monitor refrigerators, freezers, cold rooms and storage facilities throughout an entire site.

Once connected to the Sense It platform, users gain access to live dashboards, historical trends, automated compliance reports and configurable alerts via WhatsApp, email, Telegram or push notifications. This enables immediate response to temperature excursions while maintaining a complete audit trail for regulatory compliance.

With low power consumption and long battery life, the sensor provides dependable monitoring with minimal maintenance, making it ideal for pharmacies, hospitals, laboratories, retail refrigeration, food processing facilities and warehouses.

KEY FEATURES

- Bluetooth® Low Energy (BLE) wireless communication
- High-accuracy temperature monitoring
- Long battery life
- Compact, battery-powered design
- Real-time cloud monitoring via Bluetooth Gateway
- Configurable high and low temperature alarms
- Historical data logging
- Automated compliance reporting
- Supports multiple sensors per gateway
- Simple DIY installation
- Suitable for refrigerators, freezers and cold rooms
- Compatible with the Sense It Bluetooth Gateway

TECHNICAL SPECIFICATIONS

General

- Wireless technology: Bluetooth® Low Energy (BLE)
- Battery-powered operation
- Compatible with the Sense It Bluetooth Gateway
- Real-time wireless temperature monitoring

Temperature

- Measurement range: -40°C to +80°C
- Measurement accuracy: $\pm 0.5^{\circ}\text{C}$
- Resolution: 0.1°C

Power

- Replaceable lithium battery
- Battery life: Typically 1–2 years depending on reporting interval

Environmental

- Suitable for refrigerators and freezers
- Indoor operation

Installation

- Self-installation
- Compact lightweight design

Applications

- Refrigerators
- Freezers
- Cold rooms
- Pharmaceutical storage
- Food storage
- Hospitals
- Laboratories
- Retail refrigeration
- Warehouses



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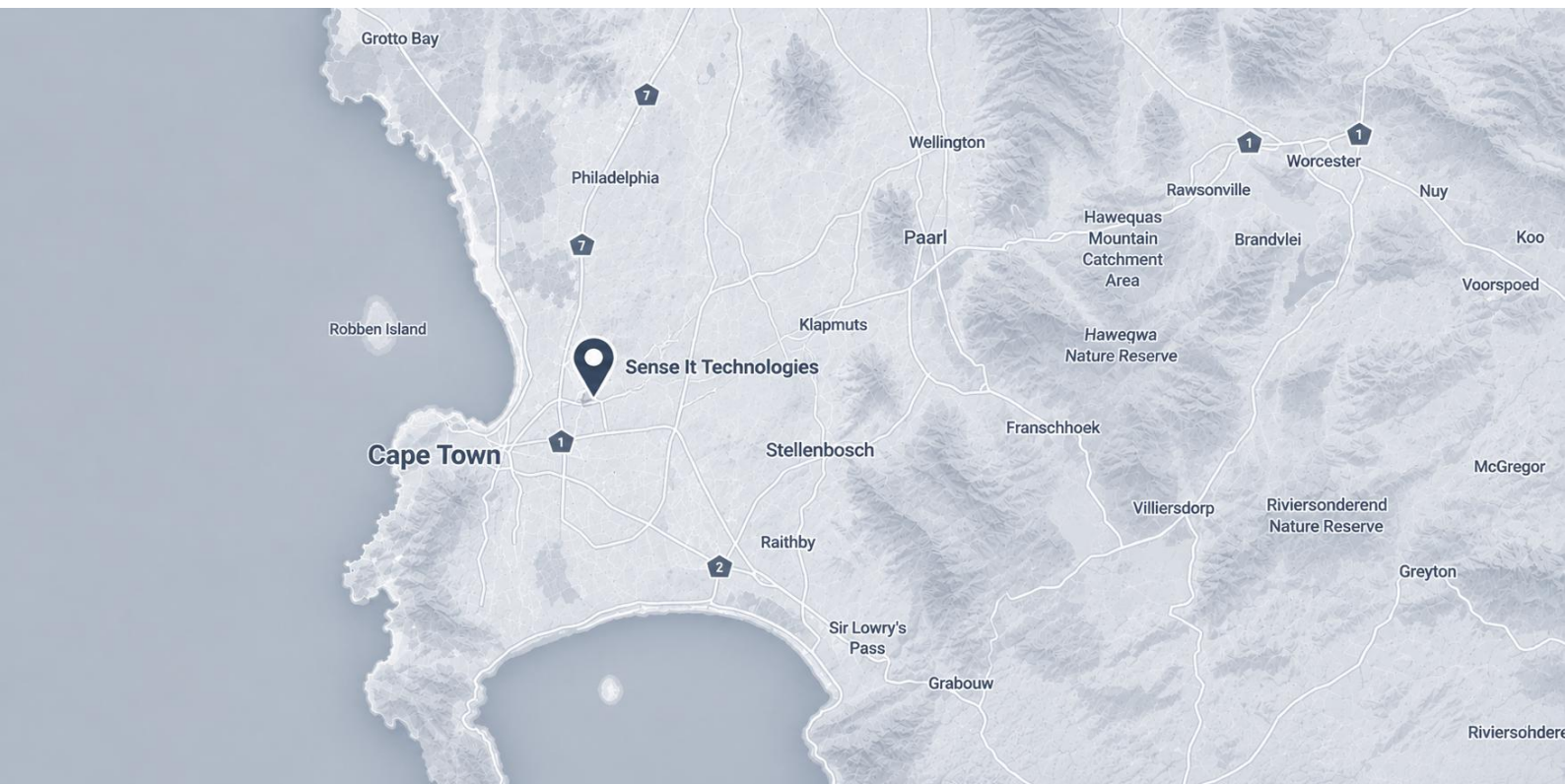
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