



Wireless Temperature, Humidity, and Dew Point Sensor - 101B

Part Number: SS-SEN-101B



Overview

Swift Sensors Wireless Temperature, Humidity, and Dew Point Sensor measures ambient temperature and relative humidity near the sensor. This sensor is ideal for buildings, museums, restaurants, refrigerated enclosures, and greenhouses. Users can set the frequency of measurement and thresholds for notifications via SMS text, email, and phone call.

Simple, Plug-and-Play Deployment

Place the small battery-powered sensor in the location or on the equipment you need to monitor. The Swift Sensors Bridge automatically identifies the sensor and establishes communication. No wires to connect. No software to install.

Secure, Scalable, Cloud Architecture

The system is 100% cloud-managed. The bridge securely transmits sensor data to the Swift Sensors Cloud using 256-bit AES encryption. The system is scalable from a single sensor, one site application to multi-site enterprises with thousands of sensors.

Real-time Monitoring and Analytics with Actionable Data

Swift Sensors Console allows real-time asset monitoring and sophisticated analysis from anywhere – on a computer, tablet, or smartphone. Data analytics provide operational insights and deep visibility. SMS text, email, and phone call notifications can be set based on customizable threshold values and complex rules by individual sensors or sensor groups.

Applications

- Manufacturing and Production
- Facility Monitoring
 - Museums
 - Datacenters
 - Warehouses
 - Greenhouses
- Restaurants and Food Service
- Cold Chain Monitoring



Sensor Measurement Specifications:	
Temperature	
Range	-40°F to +185°F (-40°C to +85°C)
Accuracy	1.8°F (1°C) Increased by user calibration to ± 0.45°F (± 0.25°C)
Type	IC
Humidity	
Range	0% - 100% RH
Accuracy	± 4% RH
Sensor Operational Specifications:	
Power	Replaceable 3.0V coin cell battery
Battery Life	6 months - 2 years, depending on inspection rate
Communication	BLE 4.0: 2.4 GHz, 125 - 150 ft, non line-of-sight
Data Security	AES 256-bit encryption
Enclosure	ABS plastic
Dimensions	2.375" x 1.375" x 0.5625", 3" antenna
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Certifications	FCC

Swift Sensors Bridge

The Swift Sensors Bridge collects data via BLE or RF from sensors located within the specified communication range (< 200 ft.) and then transmits the sensor data to the Swift Sensors Cloud through either Ethernet, Wi-Fi, or cellular. The bridge auto-detects all sensors within range and will immediately establish secure communication without any user configuration or setup.

Swift Sensors Console

All sensor data is logged and stored in the Swift Sensors Cloud. The Swift Sensors Console is configured to monitor and track all sensor data in the cloud. Multiple thresholds and alerts can be set separately for each sensor to supply notification via SMS text, email, or phone call. The console can be viewed in a web browser on a computer, tablet, or smartphone. No programming is required to configure the console. An API to the Swift Sensors Platform allows integration with other data sources and 3rd-party data analytics tools.