



Wireless Remote Temperature, Humidity, and Dew Point

Sensor - 114

Part Number: **SS-SEN-114**



Overview

Swift Sensors Wireless Remote Temperature, Humidity, and Dew Point Sensor includes a 3' sealed probe and can measure temperatures between -40°F to +257°F (-40°C to +125°C). This sensor is ideal for monitoring temperature and humidity in harsh environments and difficult to reach locations. 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	
Measurement Range	-40°C to +125°C (-40°F to +257°F) w/ 3' sealed probe
Accuracy	1°C (1.8°F) Increased by user calibration to ± 0.25°C (± 0.45°F)
Type	IC
Humidity	
Range	0% - 100% RH
Accuracy	± 4% RH
Sensor Operational Specifications:	
Power	Replaceable 3.0V CR2032 coin cell battery
Battery Life	3 months - 3 years, depending on inspection rate
Communication	RF: 900/868/433 MHz, 100 - 200 ft. non line-of-sight
Data Security	AES 256-bit encryption
Enclosure	ABS plastic
Dimensions	2.375" x 1.375" x 0.5625", 3" RF antenna, 3' sensor probe
Operating Temperature	-40°C to +85°C (-40°F to +185°F)
Operating Environment	-20°C to +60°C (-4°F to +140°F) for battery only
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.