

Food Safety *SensTag™* Wireless Sensor & Data Logger Ultra Long Life, Miniature, WiFi, Long-Distance, Multi-Sensor

+ UNIQUE BENEFITS

The revolutionary *SensTAG* 433MHz system leverages our 20 years of experience designing ultra-low power wireless sensing systems. The result is highly flexible sensor tag with long-range transmission distances and a battery life that will almost certainly out-live what it is monitoring. That's why we say this *SensTAG* is **practically battery-free™**.

The flexibility of the *SensTAG* supports quick and easy installation and simple data collection for automated monitoring. In addition to eliminating expensive manual data collection, the automated system assures complete, archived record keeping—and nearly instantaneous automated alarms when equipment starts to fail.

This wireless sensor system combines the best of both worlds. The sensors go into an ultra-low-power mode and then wake-up and transmit the sensor data at pre-programmed time intervals. A few 120V powered receivers that are dispersed on-site receive the data from the sensors and re-transmit it over a WiFi network. Data collection couldn't be simpler or easier to integrate.

We offer custom packaging for the sensors and receivers. Sensors may be re-configured for data logging - or the transmission time interval may be changed with a wireless hand held reader or desktop reader.



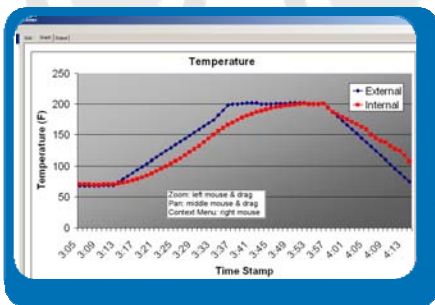
+ KEY FEATURES

- Ultra-long battery life of 5 to 10 years—configuration dependent.
- Transmission range of over 100 feet to WiFi re-transmitter.
- Senses temperature, humidity, pressure, and more on one tag.
- Data Logging mode with wireless configuration and data upload.
- Wireless sensor configuration with hand-held or desktop reader.
- Data is sent to host computer using standard WiFi connection.
- Small size— 2.5 x 1.25 x 0.3 inches (64 x 32 x 8 mm)
- Custom packaging of sensor and receivers.
- Software development available for custom applications.

ultra long life | miniature | mobile | rugged



Contact Phase IV Engineering to explore how our innovative wireless sensing technology can work for your organization.



**Questions?
Custom Requirements?**
Call 1-866-608-6168

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SensTAG™ Miniature Active Wireless Sensor and Data Logger

Physical

Sensor Size 2.5 x 1.25 x 0.3 inches (64 x 32 x 8 mm).

RF Specifications

Sensor Operating frequency 433 MHz
Receiver Re-Transmission 2.4 GHz, WiFi
Read/Write Range Over 100 feet (33 meters) in free air.
ID Unique ID programmed in each sensor.

Sensor Performance*

Temperature Range -40 °C to +125 °C (-40 °F to +255 °F).
Extended temperature ranges with tethered sensors.
Temperature Accuracy Typically ±1.0 °C to ±0.5 °C.
Transmission Intervals Programmable from 0.1 seconds to 1 day.
Data Logging Data Logging highly configurable. Contact us.
Calibration NIST traceable when required.

Sensor Options

Multiple Sensors per tag. Temperature, Humidity, Pressure, and more. Highly configurable.

Battery Life

5 to 10 years, depending on application and tag size.



* Wireless Sensor and data logger is highly configurable—contact us with your specific requirements.

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