

SensTAG™ UHF RFID Passive Sensor System

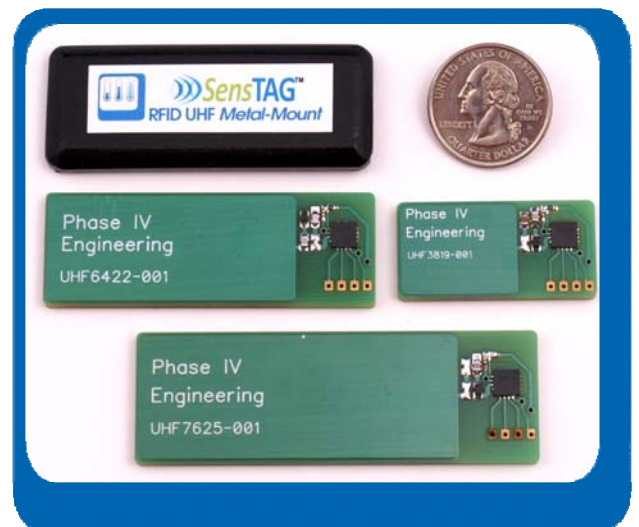
Phase IV UHF RFID EPC Passive Sensors

+ UNIQUE BREAK-THROUGH FEATURES

- **Long Read Range** - 0.4 to 4 meters, depending on configuration.
- **Miniature & Mobile**—read sensors as they pass by a reader.
- **Optional Sensors:** Pressure, humidity, strain, and others.
- **Temperature Sensors** cover full range of sensing needs.
- **Embedded** sensors—read through walls, boxes, wood...
- **Passive Tags - No Battery** -> no maintenance, low cost.
- **Extreme Temperature Ranges** with tethered sensors.
- **Metal Mount or Non Metal Mount** versions.
- **Customized** sensor tags —our specialty.*
- **Industry Standard or custom readers.**
- **Totally Sealed**—submersible, rugged.
- **Easy to Install**—no wires to connect.



Experts in RFID Sensing
that We Invented.



SensTAG Passive RFID Metal-Mount temperature sensors.

*We specialize in providing innovative sensing systems for hard-to-solve sensing problems. In addition, we offer a range of semi-custom products and complete turnkey manufacturing of custom sensing solutions for volume commitments.

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



Software Interface for passive *SensTAG* RFID Temperature Sensor.

Questions?

Call 1-866-608-6168

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SensTAG™ UHF RFID Specifications (Passive, BAP, Data Logger)

Physical

Reader Size: Many fixed and hand held options.
 Sensor Size: Standard size - credit card, 0.14 inches thick. Custom sizes also available.

Reader & RF Specifications

Operating frequency: 915 MHz Band (USA) - UHF EPC.
 Read/Write Range: 4+ meters with high-power reader & optimized tag.
 Reader Power: 100 - 240V, 10W power supply included. 12 V DC (2 Amps Maximum) also available.
 Protocol: EPCglobal Gen 2 (ISO 18000-6C) with AntiCollision, DRM, and advanced anti-jamming.
 Reader Power: Adjustable from 5 dBm to 30 dBm (1 W).
 Connection: USB, serial connection, Ethernet, or WiFi.

Sensor Performance*

(Temperature Range)

-40 °C to +125°C (-40 °F to +230 °F).*
 *Range may be extended with tethered sensors.

Temperature Accuracy: ±1°C typical. ±0.5°C from -20°C to +60°C .

Calibration: Calibration factors stored onboard.

ID: Unique ID number with each RFID sensor.

Additional Sensor Options: Two external sensor inputs also available.*

***UHF SensTAGs are highly configurable. We specialize in custom RFID Sensors. Call us with your unique sensing challenges.**

maintenance-free | miniature | mobile | rugged

