

Innovative **Wireless Sensing**™

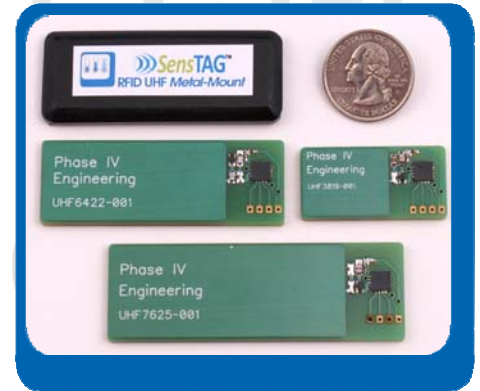


SensTAG™ UHF RFID Passive Metal-Mount Sensor Kit

Phase IV UHF RFID EPC Passive Metal-Mount Sensors with ThingMagic® Vega Reader

+ UNIQUE BREAK-THROUGH FEATURES

- **Kit Includes** - ThingMagic® Vega UHF EPC reader, Antenna, PC software, manual, and metal-mount temperature **SensTAGs**.
- **Long Read Range** - 0.4 to 2 meters, depending on configuration.
- **Industry Standard Reader** - ThingMagic® Vega Reader.
- **Temperature Sensors** cover full range of sensing needs.
- **Optional Sensors:** Pressure, humidity, strain, and others.
- **Miniature & Mobile**—read sensors as they pass by a reader.
- **Embedded** sensors—read through walls, boxes, wood...
- **Extreme Temperature Ranges** with tethered sensors.
- **Passive Tags - No Battery** -> no maintenance.
- **Customized** sensor tags —our specialty.*
- **Totally Sealed** - submersible, rugged.



SensTAG Passive RFID Metal-Mount temperature sensors.

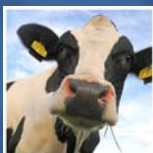
Experts in RFID Sensing
that We Invented.



Metal Mounted SensTAGs were embedded in the rubber pads of tank tracks for temperature testing.

*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.

m a i n t e n a n c e - f r e e | m i n i a t u r e | m o b i l e | r u g g e d



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 8.5 in L x 5.25 in W x 1.5 in H.
 Sensor Size Typical 3 x 1 x 0.25 inches. Various sizes available.

Reader & RF Specifications

Operating frequency 915 MHz Band (USA) - UHF EPC.
 Read/Write Range 0.5 meters, typical.
 2+ meters with high-power reader & optimized tag.
 Reader Power 100 - 240V, 10W power supply included.
 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).
 PC Connection USB or serial connection from reader to PC.

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. Greater accuracy is available.

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

