

+ EXPLORE THE POSSIBILITIES...

Enabling New Approaches to Sensor Measurements, Condition Monitoring, ID and Tracking

Our Passive RFID **SensTAGs™** are based on chipsets powered by RF energy—they have no battery and are simply powered by a standard ISO 15693 reader to energize and communicate a transmission. When the sensor is energized (“woken up”) by the reader, it transmits its unique ID and sensor data. And, because no internal power source is required, the RFID Sensor **SensTAG** can and be extremely small in size and designed into a variety of form factors, materials and configurations to meet your specific application needs—making it possible for them to be embedded, submersed, sealed, or integrated into composite materials and allowing contactless sensor measurements in places and ways that was simply not possible before.

Perpetual Sensing is Possible

No batteries to change or battery life to worry about means that these **Passive RFID SensTAGs** are maintenance-free and, therefore, the lifespan of the sensor tag is virtually limitless. With multiple sensing options available, this technology broadens the range of applications for tracking sensor measurements, and condition monitoring—from cold chain, medical, animal health, agriculture, manufacturing, industrial processes, laboratories, and more.

+ HF RFID TEMPERATURE **SENSTAG™**

Part 40-100244-00 HF Temperature Tag, Passive, Low Range

- **Wireless, No-Battery:** ID and sensor data powered and read by a standard ISO 15693 HF (High Frequency) - 13.56 MHz RFID reader.
- **Temperature Range:** -25 °C to + 35 °C, ± 1 °C accuracy (*specification for part 40-100244-00*).*
- **Read-Range:** 1.0 to 3.0 inches in free air.*
- **Variety of Sensor Options:** Temperature, humidity, strain, shock and light, and more ...*
- **Optional Power:** “Semi-Passive” or “Battery-Assisted Passive (BAP)”, and energy harvesting options are also available (*requires different form factor*).

OEM and Custom Solutions

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

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maintenance-free | miniature | mobile | rugged

