



# RFID Sensor Systems

**Sensing, Tracking, and Data Logging**

## S100 Passive RFID Cardiopulmonary Monitoring System

RFID Sensor Systems offers tags, readers, and small systems compliant with the EPC Gen2 Class 1 international standard. We offer a variety of tags with different mounts and read/write range. Our product line is further enhanced with EPC Gen2 Class1 tags providing immediate sensor data and logged sensor data. Most of our tags are also available with adhesive backing, Velcro-like backing, magnetic strip backing and screw-hole mounting options. Our passive tags contain industry standard CMOS Gen2 Class1 integrated circuit ICs. Our Gen2 sensor tags include in-house proprietary CMOS designs.

RFID Sensor is a specialist RFID supplier of high performance RFID components and small systems. We invite inquiries for further customized system deliveries.



Sensor with Velcro™ chest strap



Sensor with adhesive backing



Stationary reader

### **EPC Gen2-class3 compatible acoustic sensor system**

| Features                  |  |
|---------------------------|--|
| Tag Dimensions:           | 3.2 X 4.7 x 0.6 in. (81.3 x 119.4 x 15.4 mm) not including chest strap           |
| Fully passive read range: | 20 ft (6 meters) frontal   |
| Bandwidth                 | 100 Hz   |
| Tuned response:           | Phonocardiography PCG  |
| User memory size          | 512 user bits + 96 bit EPC code + 64 bit unique TID + 32 bit security password + |
| 800 bits total            | 32 bit kill password   |
| Standard color:           | Ivory  |
| Case material:            | ABS  |
| Tag visual:               | Can be customized with client logo   |



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