

RFID Sensor Systems

Sensing, Tracking, and Data Logging

ST070-1 fully passive RFID temperature sensor Ranger™ tag

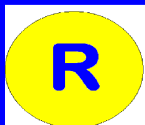
RFID Sensor Systems offers tags, readers, and small systems compliant with EPC Gen2 class 1 international standard. We offer a variety of tags with different mounts and read/write range. Our product line is further enhanced with EPC Gen2 class1 tags providing immediate sensor data and logged sensor data. Available with Velcro-like backing, magnetic strip backing, and screw-hole mounting options. Our passive tags are manufactured with industry standard CMOS Gen2 class1 (ISO 18000 – 6c) integrated circuit ICs.

RFID Sensor Systems is a specialist RFID supplier of Gen2 components and small systems. We invite special inquiries for further customized deliveries and partnering.



EPC Gen2 class1/ ISO 18000-6c compatible standard readers

Features	
Application:	Measures temperature of the surrounding environment. This is a metal mount tag.
Tag Dimensions:	6.5 x 0.75 x 1.85in. (16.5 x 1.9 x 4.7 cm) without special backing
Frequency	902-928 NA + SA, 865.7 – 867.6 EU, 865-867 India, 902-907.5 Brazil, 920-926 MHz Australia
Read Range:	up to 20 ft (6.2 m) with 36 EIRP dBm industry standard reader configurations. This is a metal mount sensor tag
Memory bits:	8000 user bits + 96 bit EPC code + 32 bit access password + 16 bit kill password.
RFID protocol chip:	ISO 18000-6c (C3)
Temperature Accuracy	+/- 0.5 °C (-80 to +80 °C)
Hermeticity:	IP 67
Standard color:	White
Standard Mountings:	Screw holes
Attachment options:	Velcro™-like backing, Coin magnets for steel attach
Compatible Standards:	EPC Gen2/ISO 18000-6c including 6.25, 12.5, 25.0 µs tari
Return data link:	40, 80, 160, 320, 640 KHz



RFID Sensor Systems
211 Warren Street
Newark, NJ 07103
Phone: 919-901-7088
Fax: 201-781-7112

www.RFIDSensorSystems.com