



# RFID Sensor Systems

## Sensing, Tracking, and Data Logging

### S006 RFID Cattle tag monitoring system

RFID Sensor Systems offers tags, readers, and small systems compliant with EPC C1 Gen2 / ISO 18000-6c 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. The farm animal tags are all hermetic-sealed flexi PET and available only for the pierced-ear application.

RFID sensor systems cattle eartags can be used for identification of animals. It is designed and tested for various weather conditions to work efficiently in close proximity of the animal skin. It comes with a standard ear piercing attachment which allows easy attachment of the tag. This tag works very well with readout obtained at front and back of animal. Frontal read range is up to 80 feet.

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



**Recommended for USDA registry program  
EPC Gen2 class1 / ISO 18000-6c compatible**



**Long range tag interrogation**



**Fixed position reader I001**



**Handheld reader I003**

## The S006 RFID Cattle Tag Monitoring System Summary Specification

### Features

Tag Dimensions:	5.2 x 1.37 x 0.245 in (13.2 x 3.5 x 0.6 cm) without special backing
Frequency	902-928 NA + SA, 865.7-967.6 EU, 865 – 867 India, 902-907.5 Brazil, 920-926 Australia
Read Range	Up to 80 ft (24m) with standard industry readers
User Memory Size 800 bits total:	512 user bits + 96 bit EPC code + 64 bit unique TID + 32 bit access password + 32 bit kill password. Preprogrammed with unalterable 64-bit serial number.
RFID Chip	Alien Higgs3™
Ambient temperature:	-58 to 185 °F (-50 to +85 °C)
Standard tag color:	White
Attachment:	PET flexi with ear pin
Tag visual working:	Customized labeling available with assigned numbering



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