

RFID Sensor Systems

Sensing, Tracking, and Data Logging

T080 Fully Passive Cattle Ranger™ Ear 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. The Cattle Ranger™ tag is standard with ear piercing mount. Our passive tags include industry standard CMOS Gen2 class1 integrated circuit ICs.

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



Cattle Ranger™ ear tag



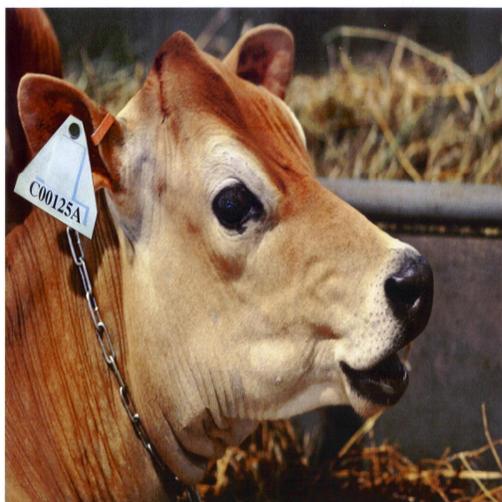
Long range tag interrogation



Fixed position reader I001



Handheld reader I003

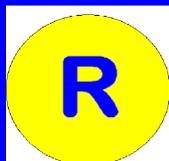


T080 Fully Passive Cattle Ranger™

RFID Sensor Systems cattle tags can be used in USDA animal registry program. These tags are designed and tested in close proximity with animal skin without any harm for longer period of time in all weather conditions. The T080 tags have longer read/write range than any other passive cattle tag available. These tags can be detected from almost any direction by RFID readers provided they are not blocked by the animal body. The long range feature greatly increases the convenience and opportunity to read animal ID and other information at distances to 60 ft. In addition the T080 tags permit additional information to be stored and retrieved including animal pedigree, feedlot history etc. The functional lifetime for T080 tags is over 20 years. These tags operate without batteries or internal active power sources.

EPC Gen2 class1/ ISO 18000-6c compatible

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- 867.6 EU, 865 - 867 India, 902-907.5 Brazil, 920-926 Australia
Read Range:	Up to 50-80 feet (19 meters) with standard readers
User Memory Size	512 user bits + 96 bit EPC code + 64 bit unique TID + 32 bit access password + 32 bit
800 bits total:	kill password. Preprogrammed with unalterable 64-bit serial number.
RFID Chip	Alien Higgs3™
Ambient temperature:	-58 to 185 °F (-50 to +85 °C)
Humidity:	IP-67 hermetic sealed
Standard color:	Customized
Standard mounting:	PET flexi with ear pin
Compatible Standards	EPC Gen2 Class /ISO 18000-6c including 6.25, 12.5, 25.0 µs tari
Return data link rate	40, 80, 160, 320, 640 KHz



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