GAO RFID Inc.
A Member of GAO Group

Celebrating Over 20 Years of Innovation

Product Overview
Active RFID Asset Temperature Tag
124017-Temp

This RFID tag measures temperature indoors or out. Omni directional antenna allows reading from any direction. Deployed equally well on metallic and non metallic assets.

This asset temperature tag can be used to measure temperature in an indoor or outdoor environment. It has a unique omni directional antenna design allowing the tag to be read from all directions and to be deployed equally well on metallic and non metallic assets. Optimum read range is achieved on metal with a 10% reduction on non metals. The tag is sealed to an IP67 level providing the highest level of water ingress protection.

This active RFID temperature tag is equipped with an anti-tamper switch and will send an alarm on removal from an asset when used in conjunction with an optional anti tamper kit.

Key Features

- ✓ Beaconing tag transmitting a unique ID&data at pre-set intervals
- ✓ Ultra low power consumption provides exceptional battery life
- ✓ Ultra long-range transmitter
- ✓ Low battery warning
- ✓ Anti-tampering option
- ✓ Temperature measurement accurate to 0.1°C
- ✓ Site / Vender ID
- ✓ Tag ID
- ✓ Various transmission repetition intervals
- ✓ Collision avoidance algorithm
- ✓ Temperature reporting
- ✓ Sealed to IP67 standards

Technical Specifications

Radio Frequency	
Transmit Frequency	433.92 MHz
Power Output (avg.)	77 dBV/m @ 3m
Range	1 to 100+ meters (actual range is determined by the choice of reader & antenna used to detect the tag and the environment it is used in)
Electrical	
Power	Internally powered by lithium battery
Physical	
Size	68 mm ×36 mm ×16 mm
Weight (unit)	25 g
Color	Red
Material	Nylon
Environmental	
Operating Temperature	-40 °C to+80 °C
Storage Temperature	-40 °C to+80 °C
Humidity	5% to 90% (non-condensing)
Optional Accessories	
Tag attachment kit	
Tamper alert tag attachment kit	

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