

Sentry Metal

Trusted Technology
Innovative Design
High Performance



High Performance UHF Tag for Mount on Metal Applications

Industries

- Manufacturing
- Automotive
- Healthcare
- Defense

Applications

- Metal containers
- Military assets
- Laboratory equipment management
- Work in process
- Hospital asset management

Overview

The Sentry Metal has an excellent read range performance-to-size ratio for tracking high value metal assets. At just 0.6 square inches, the Sentry Metal delivers an impressive 15 foot read range when directly mounted onto a metal surface making it ideal for tagging components through production, hospital equipment, manufacturing assets and IT components. Like all Sentry models, its core construction provides inherent durability for use in many warehouse and manufacturing environments.

For applications in which high temperatures or the potential for high impact are a concern, the Sentry Metal is available with the ViziCore high temperature/high impact upgrade option.

Features & Benefits

- Read distances of 15 feet on metal surfaces
- High performance acrylic adhesive
- Small footprint providing excellent performance-to-size ratio
- Additional data storage: 96-bit EPC memory plus 512-bit user memory
- Inherently durable for use in warehouse and manufacturing environments

Sentry Metal Specifications

Physical

• Dimensions	36.3mm X 10.9mm X 5.6mm (1.43" x 0.43" x 0.2")
• Use Case	On metal
• Attachment	High Performance acrylic adhesive
• Weight	3.5 grams

Electrical/RF

• Typical Read Range	15 feet at 36 dBm ERP
• Frequency	902 - 928 MHz
• IC Platform	Alien Technology Higgs3
• IC Memory	96 bit EPC 512-bit user memory

Environmental

• Classification	IP67
• Operating Temperature	-50°C to +85°C (-58°F to +185°F)

Part Number	AST1-020-0001
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About the Sentry Platform

Vizinex RFID's Sentry line of high performance, cost-effective, and application-specific RFID tags are based on a printed circuit board platform. This well-established manufacturing process offers unsurpassed reliability and consistency in read range performance. At the core of the tag is a fiber-reinforced composite material that gives the Sentry tag its innate ruggedness. The innovative, patent-pending tag design enables fast prototyping and affordable customization - essential to the expanding requirements of the RFID industry.

About Vizinex RFID

Vizinex RFID, headquartered in Allentown, PA, designs and manufactures RFID tags for diverse asset tracking applications-from rugged environments in the oil industry, to medical devices requiring repeated sterilization, to long-range vehicle tracking. With prototyping and manufacturing located in the U.S., our time from concept to delivery is unmatched. Vizinex RFID maintains a tradition of innovation, superior functionality and outstanding customer support - allowing us to deliver RFID, the way you imagined.



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