

Sentry Autoclave

Trusted Technology
Innovative Design
High Performance



Low Profile UHF Tag for Mount on Metal Autoclave Applications

Industries

- Healthcare
- Veterinary

Applications

- Laboratory equipment management
- Surgical instrument tracking
- Dental instrument tracking

Overview

The Sentry Autoclave is a small footprint mount on metal tag designed for tracking high value medical, laboratory and veterinary assets, or trays of assets that need to undergo autoclave sterilization processes. It incorporates specific designs that protect the chip-to-antenna bond to withstand repeated autoclave temperature and pressure cycles. At just 0.1" thick and 0.6 square inches, this slim profile tag delivers a 6 foot read distance when attached to metal surfaces. When required, an autoclave tested film label and adhesive can be attached to the tag.

Features & Benefits

- Read range of 6 feet on metal surfaces
- High performance, autoclave tested acrylic adhesive
- Low profile, small footprint providing excellent performance-to-size ratio
- Additional data storage: 96-bit EPC memory plus 512-bit user memory
- Autoclave tested film label



Sentry Autoclave Specifications

Physical

- Dimensions 36.3mm X 10.9mm X 2.8mm (1.43" x 0.43" x 0.1")
- Use Case On metal

- Attachment High Performance acrylic adhesive

- Weight 2 grams

Electrical/RF

- Typical Read Range 6 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 AST1-070-0001

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.

To order your Vizinex tag sample kit or for more information about Vizinex RFID, contact us at sales@vizinexRFID.com or 215.529.9440.