



Sentry 2802



A remarkably small footprint, low profile UHF Tag for managing small, long, thin metal assets.

▶ Sentry 2802 Overview

The Sentry 2802 is a small footprint, low profile mount-on-metal tag that provides exemplary read range for a tag that is so small and has such a minimal ergonomic impact. The tag is only 28mm (1.09") long and is less than 2mm (0.07") wide, but delivers nearly 6 feet of read distance when mounted on a long, thin metal object. It is very thin, only 1.5mm thick, exceptional for a mount on metal tag. With such a low profile, it is unlikely for this tag to be dislodged by rough handling when applied to assets like weapons, hand tools and other small metal parts.

This tag enables RFID to be applied to an entire new class of assets, where earlier tags were difficult to install or were too large and interfered with the way operators used the tool/asset. Standard on this tag is our ViziCore construction which provides a very high level of impact, vibration and temperature resistance. The tag is also resistant to a very wide range of chemicals, and has an ingress protection rating of 68. Like all Sentry products, the 2802 can easily be adapted for applications involving overmolding/overspraying or embedding in metal.

▶ Features & Benefits

- Read distances of 5-6 feet when mounted on long, thin metal objects
- Small footprint and low profile providing outstanding performance-to-size ratio
- Tolerant of repeated exposure to high temperatures, vibration and impact
- Excellent performance when embedded in metal or plastic

Part Number

On metal: AST1-137-0001

On cable: AST1-137-CA01

Industries

- ▶ Rental assets
- ▶ Government and military
- ▶ Manufacturing
- ▶ Healthcare
- ▶ Data centers

Applications

- ▶ Weapons management
- ▶ Small cable assembly management
- ▶ IT assets
- ▶ Hand held instruments, tools or metrology equipment

Why Vizinex?

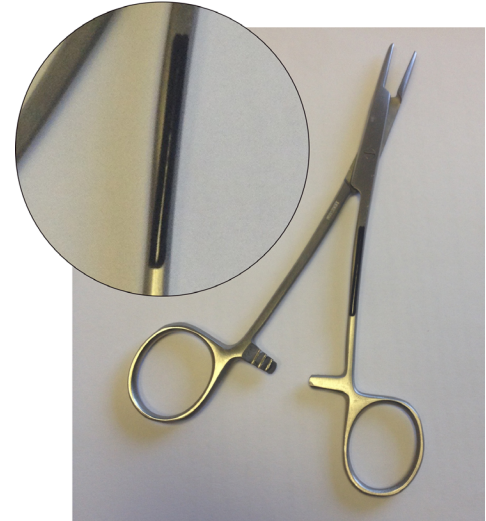
- ▶ Trusted technology
- ▶ Innovative design
- ▶ High performance
- ▶ Unmatched customer service

► **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, patented tag design enables fast prototyping and affordable customization - essential to the expanding requirements of the RFID industry.

► **Sentry 2802 Specifications**

Physical	
Dimensions	28mm x 1.8mm x 1.4mm 1.09" x 0.070" x 0.054"
Use Case	On metal (AST1-137-0001) On insulated metal (AST1-137-0002)
Attachment	Customer supplied epoxy
Weight	.4 grams
Electrical/RF	
Typical Read Range	1.5-2 Meters 4-6 Feet
Frequency	902-928 MHz or 856-868 MHz
IC Platform	Impinj R6-P
IC Memory	EPC up to 128 bits, 96 bit TID and up to 64 bits of user memory
Environmental	
Classification	IP68
Operating Temperature	-50° C to 85° C (-58° F to 185° F)
Temperature Tolerance	-50° C to 185° C (-58° F to 365° F)



What can Vizinex RFID do for your company?

Email sales@vizinexrfid.com or call 215-529-9440 to talk about your needs and requirements.

AST1-137-0001 Instrument Tag

