

# Sentry Upgrade for Autoclave Service



## Industries

- ▶ Healthcare
- ▶ Food processing
- ▶ Veterinary
- ▶ Manufacturing

## Applications

- ▶ Tracking surgical or dental instruments through sterilization
- ▶ Managing food processing containers and their contents
- ▶ Workpiece tracking through paint and enameling processes

A unique feature of Vizinex's Sentry product line is that we can upgrade any of the tags to tolerate repeated use in high temperature environments, like autoclave sterilization, food processing, high temperature cleaning or industrial processes like painting and plating. Any tag in the Sentry line can tolerate repeated exposures to high temperatures.

These tags are built to reliably tolerate over a thousand high temperature cycles with temperatures up to 365° F (185° C). This upgrade is inexpensive, does not change any dimensional or RF performance attributes of the tags and is invisible to the user. Customers can have this feature in the smallest Sentry tags, like the 06D III and the 2802 III, and on the largest Sentry tag, the Midrange, which achieves a read range of 12'. Using Sentry tags with the Autoclave upgrade, you can track the smallest instruments up to the largest containers through processes that include high temperature cycles.

## Features & Benefits

- Excellent read range to footprint performance
- High performance, autoclave tested acrylic adhesive on the larger tags
- High temperature labels for tags requiring barcodes or other printing
- No increase in lead time for upgraded tags

## Sentry Slim III with the Autoclave Upgrade

The most commonly used tag for tracking items through autoclave cycles is our Sentry Slim III with the Autoclave upgrade. When mounted on metal, this tag provides an excellent read range of up to 22' in a small footprint of only 0.6 in<sup>2</sup>.

It can be used for tracking high value medical, laboratory and veterinary assets, or trays of assets that need to undergo autoclave sterilization processes. In addition to high temperature sterilization, the tag is compatible with ethylene-oxide, chlorine-dioxide and peracetic acid sterilization processes. The tag is provided with a 'peel-and-stick adhesive' that keeps the tags firmly in place despite exposure to harsh conditions. The tags also come with a label that tolerates high temperatures and remains legible even after many exposures to autoclave cycles.

### About the Autoclave Upgrade

Vizinex has developed enhancements to the Sentry tags to that reduce the vulnerability of the tags to the stresses of repeated thermal cycles. We've conducted internal testing to refine, tune and validate this enhancement process so that these tags can reliably tolerate over a thousand high temperature cycles like those used to sterilize instruments in an autoclave. This upgrade can be added to tags for a small additional cost, and with no lead time penalty. Vizinex has supplied millions of temperature tolerant tags to a wide range of medical and industrial customers.

### Sentry Tags That Can Be Upgraded for High Temperature Exposure

Tag Name	Read Range	Dimensions
Sentry 06D III	4'-5'	0.24" x 0.14"
Sentry 1005 III	7'-9'	0.39" x 0.20" x 0.12"
Sentry 2505 III	10'-12'	0.98" x 0.21" x 0.093"
Sentry 2607 III	5'-7'	0.93" x 0.27" x 0.05"
Sentry 2802 III	6'-8'	1.09" x .070" x .054"
Sentry 4607 III	12'-14'	1.8" x 0.28" x 0.07"
Sentry Cable III	18'-20'	1.43" x 0.43" x 0.11"
Sentry Duo III	10'-12'	1.43" x 0.43" x 0.11"
Sentry MidRange	32'	1.52" x 0.67" x 0.22"
Sentry Shortie III	12'-14'	1.03" x 0.43" x 0.11"
Sentry Slim III	19'-22'	1.43" x 0.43" x 0.11"

### To order your Vizinex autoclave

upgrade or for more information about Vizinex RFID, contact us at

- ▶ [sales@vizinexRFID.com](mailto:sales@vizinexRFID.com)
- ▶ (215) 529-9440

### 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.