



# LocoTag (S14BL) - Surgical Kit Tracking.



## Product Highlights.

- Small, covert and easy to install
- Long battery life - up to 3 years
- Room level, real-time localisation
- Up to 80m range
- Uses proprietary BLE protocol
- iPhone discoverable
- Resistant to high temperature & pressure in autoclave sterilisation

## How the system works.

LocoTags have been developed to work alongside System Loco tracking and monitoring devices. The S14BL LocoTags have been designed to withstand the very high temperature and pressure environment in autoclave sterilisation. They can report presence/absence as well as provide historical snapshot information about the last sterilisation cycle and the total number of cycles via System Loco Devices, or smart phone applications powered by System Loco Libraries. LocoAware enables you to view the location and alert notifications and easily configure system level behaviour based upon events such as sterilisation counts and presence/absence for different business needs. The same controls are accessible to 3rd party applications via JSON API to the Loco server.

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## Installation and asset association.

Installation is simple. The LocoTag can be attached with tie wraps to assets, stuck or screwed onto most surfaces

Each LocoTag has a unique identifier that is presented as a number and a barcode on its label. Asset association is completed by scanning this barcode and entering details regarding the asset. This can be completed directly on the LocoAssets Web Portal or via the LocoAssets mobile application. Once associated, LocoAssets allows the user to search for a type of asset, or for a specific asset.

## Design considerations.

The system has been developed to ensure data integrity and provide a long battery life in harsh operating conditions.

Each S14BL LocoTag has built in redundancy to maintain a perfect hermetic seal and ensure protection against heat damage.

## Applications Include.

### Asset monitoring:

LocoTag (S14BL) allows assets to be accurately located down to room level accuracies.

LocoTag (S14BL) underpins pattern of use monitoring for surgical equipment by tracking the autoclave sterilisation process.



# Technical Specifications.

## Communication

Proprietary, Bluetooth (4&5) discoverable protocol over 2.4 GHz

iBeacon compatible

## Sterilisation

Complies with ANSI/AAMI ST79

Withstands up to 730 sterilisation cycles

Sonic wash and disinfection resistant

## Sensing capabilities

**Sensing capabilities include:** Autoclave sterilisations

## LocoTag reporting

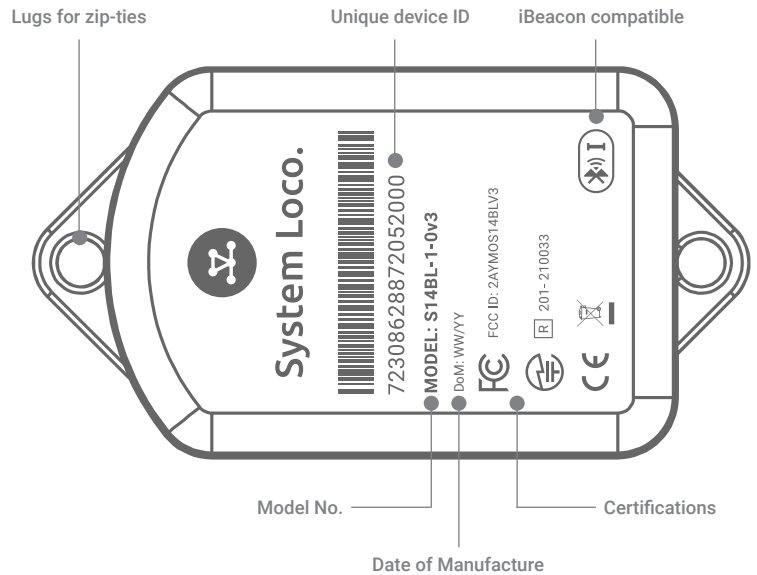
<b>Range</b>	20m (65.6ft) indoors
	80m (262ft) outdoors / LOS
<b>Tag detection</b>	iPhone and Android discoverable
<b>Reporting rate</b>	Configured at manufacture
	(indicatively every 5 seconds)

## Mechanical charecteristics

<b>Dimensions (LxWxH)</b>	57 x 32 x 13 mm
<b>Weight</b>	24 gr (0.84oz)
<b>Material</b>	PPSU (recyclable casing)
	EPDM (O ring)
<b>Colour</b>	Black

## Battery

**550mAh** Primary battery (non-rechargeable) providing up to 3 years of life



## Environmental

<b>IP rating</b>	68
<b>Storage temperature</b>	-30 to 85°C (-22 to 495°F)
<b>Operating temperature</b>	-25 to 135°C (-13 to 257°F)
<b>Pressure</b>	Up to 45 psi

## Certifications

CE, FCC, MIC (Giteki), RoHS

## Libraries

iPhone, Android & Node.js

## Part numbers

**S14BL** Autoclave sterilisation counting