



Savi Locate™

The low cost of the Savi Locate Sensor is economically feasible as a single use device when return logistics are not available. This high performance sensor is integrated with Savi Visibility software to deliver an affordable, comprehensive view of in-transit assets.

CONNECTIVITY · INTELLIGENT · FLEXIBLE · AFFORDABLE



GPS and Cellular Connectivity

The Savi Locate Long Life Sensor is a low-cost, high performance tracking device designed to monitor worldwide intermodal shipments. Interior sensitive and accurate antennas use GPS technology to keep tabs on your cargo from either outside or inside most shipping containers. When GPS satellites are not in view, cell tower triangulation can provide an approximate location, allowing sensors to report in from almost any region of the globe.

Software Integration and Alerting

Savi Locate sensors are integrated with Savi Visibility, (intransit visibility software) to provide end-to-end supply chain monitoring and tracking. When exceptions to pre-defined threshold conditions occurs, sensors send security and environmental status updates and alerts via GSM networks to Savi Visibility. Sensors are programmed to send updates at varying intervals depending on location to optimize battery life.

Flexibility of OTA Updates

Customers enjoy the flexibility of Savi's OTA (over-the-air) sensor management capabilities. This enables Savi to change configuration parameters and update configuration on demand. On-board geo-zones provide the ability to autonomously reconfigure reporting intervals based on the sensor's location. Configurations can be programmed by Savi before shipment or over-the-air once the unit is in the field.

Affordable and Durable

The low cost of the sensor allows it to be economically feasible as a single use device when return logistics are not an option. The ruggedness of the sensor allows it to be reused many times over if desired. Weatherproof sensors can be attached to the outside of a shipping container, placed within shipping cartons, or affixed to a pallet or asset using double sided automotive tape, screws, nylon wire ties or an optional magnetic bracket.

Savi Locate Specifications

MODEL NUMBER

ST-900-LC Savi Locate™

PHYSICAL

LxWxD 15.8cm x 5.4cm x 2.8cm
Color Green
Weight 108 g

ENVIRONMENTAL

Temperature -20°C to +70°C (Operating)
 -40°C to +85°C (Storage)
Humidity 95% Non-condensing
Shock and Vibration U.S. Military Standards 810F
Weatherproofing Designed to meet IP64

WIRELESS

Frequency 433 MHz, 850/900/1800/1900 MHz
Protocol Quad band GPRS and Savi Proprietary Protocol
 with cellular

GPS/LOCATION

Location Technology 33 Tracking/99 Acquisition Channels; GNSS (GPS/GLONASS)
Location Sensitivity Tracking: -165 dBm. Cold starts: -147 dBm
Location Triangulation Backup

REGULATORY APPROVALS

Hazardous Substances RoHS Compliant
EMC/EMI SAE J 1113; FCC-Part158; Industry Canada
Global Certifications FCC, CE

ELECTRICAL

Battery 2800 mAh Lithium Ion Rechargeable Battery

Key Features

- Internal cellular and GPS antennas
- GPRS cellular communication
- Built-in geofences
- Sensor-based zone detection
- 1,000 buffered message storage capacity
- Battery level LED indicator
- IP64 weatherproof encasement
- Meets DOT 2016-17 shipping standards

Certifications

- CE
- RoHS Directive 2002/95/EC
- UUEU Safety
- FCC Part 15

ABOUT SAVI

Savi delivers live streaming facts and insights about the location, condition, and security of in-transit goods. Using big data analytics, Savi equips shippers, carriers, 3PLs, and governments to optimize supply chain logistics before, during and after transit, reducing costs and inventory while improving service. Savi is trusted to run the world's largest and most complex asset tracking and monitoring network serving the US DoD, Allied military and more than 1000 commercial companies around the globe.

For more information visit savi.com.



THE VALUE OF KNOWING