



# Sentry 500

## Air Cargo Tracker

## Real-time Global Visibility for Life Science Air Shipments

Sensitech Inc. offers the Sentry 500 air cargo tracker as a premium performance, multi-sensor, air-safe monitoring device with 3G cellular coverage and GSM/GPRS/GPS, providing accurate geo-locations globally. The Sentry 500 is FAA-compliant and certified by over 70 individual global airlines for approved usage\*.

The Sentry 500 tracker is ideal for Life Sciences' mission-critical and high-value shipments, tracking clinical trial materials, bulk API shipments, as well as, time critical and high value biologic and medical device shipments. It provides real-time location and indicative temperature monitoring. Reduce your risk and be notified in real-time if temperature excursions occur on airport tarmacs or over the road, throughout a shipment's entire journey.

The Sentry 500 contains patented technology that automatically turns off in-flight cellular communication while continuing to collect location, temperature and other sensor data, all while in full compliance with global aviation regulations. Once landed, data transmits back to customers through one of Sensitech's secure, cloud-based, real-time tracking software applications. Our real-time software application SensiWatch™ Tracks provides customers with global logistics performance data, such as notification of delays, unexpected stops, and early warnings for temperature excursions. For high value shipments, Sensitech can provide an integrated security solution with our global Command and Control Centers (C3s) tracking location and temperature with real-time, active cargo monitoring from origin to destination.

Commonly placed inside of a package or attached to palletized goods, the Sentry 500 tracker provides a way to monitor Life Sciences products, while documenting handling and environmental conditions from origin to destination. The device can be purchased as single use or multiple use, is rechargeable and configurable for specific customer applications.

### Key Features and Benefits

- Real-time location and indicative temperature tracking to support both logistics and security
- Flexible software-based alarming to report at user-defined intervals to automatically alert based on a variety of sensor-based trigger events (i.e., temperature excursion, 50 miles to final destination, etc.)
- Easy deployment—the device is simply placed on the pallet or package
- Flexible configurations optimize for battery efficiency, expanding trip lengths
- Cell network and GPS based locations
- Light, motion and shock detection
- Tamper proof with fire retardant plastic housing



\*Sentry 500 Airline Approval list is available upon request

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Sentry 500 Air Cargo Tracker Specifications	
<b>Monitor Recording Option</b>	Single Use or Multiple Use
<b>Sensor Types</b>	Temperature, light, motion, location
<b>Temperature Measurement Range</b>	-20°C to +60°C
<b>Temperature Sampling Interval</b>	15 minutes to 2 hours
<b>Size</b>	Standard Battery: 94.4 mm x 49.1 mm x 35.9 mm Extended Battery Installed: 94.4 mm x 49.1 mm x 70.3 mm
<b>Weight</b>	Standard Battery: 198.4 g (7 oz) Extended Battery Installed: 368.5 g (13 oz)
<b>Global Communication</b>	GSM/GPRS/Edge Quad band radio UMTS/HSPA
<b>Location Method</b>	Cellular-based and GPS locations
<b>Internal Sensors</b>	GPS; Temperature; Light; Motion and Shock Detection
<b>Battery Capacity</b>	Rechargeable lithium-ion battery; Complies with United Nations (UN) Transportation regulations UN ST/SG/AC.10/11 and Underwriters Laboratory , 'Lithium batteries' UL1642
<b>Charging Accessories</b>	USB Charger (option); Mass Charger (option)
<b>Battery Life</b>	<ul style="list-style-type: none"> <li>• Highly dependent on reporting interval, wireless coverage, sensor configuration and ambient operating temperature.</li> <li>• Proper charging is essential to achieving optimal battery life</li> <li>• Extended Battery available (option)</li> </ul>
<b>Reporting</b>	Minimum reporting interval – 15 minutes; Maximum reporting interval – 8 days
<b>Battery DG Category</b>	UN3481 Packaging Instructions 967 Section II (Lithium-ion batteries contained in equipment)
<b>IATA DG Labeling</b>	Sentry 500 uses one lithium-ion 19.3 Wh cell; does not require a lithium battery handling label or for the AWB to be noted (unless specified by the airline). Extended battery contains lithium-ion 38.6 Wh battery; >2 devices per package or consignments with more than 2 packages require UN3481 Lithium-ion Handling Label.
<b>Durability</b>	<ul style="list-style-type: none"> <li>• Water resistant</li> <li>• Flame retardant plastic UL 94V-0 / 0.75 mm</li> <li>• Storage: -20°C to 60°C (&lt; 3 months) / -20°C to 35°C (&gt; 3 months)</li> </ul>
<b>Quality Assurance Certifications and Approvals</b>	FAA Compliant; FCC Compliant; CSA C22.2 No. 60950-1-07 Compliant; RTCA DO-160G Subchapter 21 (P, H, M, Q) Compliant; IEC62133, Directive 2006/66/EC, ROHS 2002/95/EC; RoHS Compliant; CE Compliant; RTTE Compliant; PTCRB Approved; UL Listed
<b>Real-time Software Interface</b>	SensiWatch™ Tracks (cold chain, logistics); SensiGuard™ Tracks (security); Email or SMS Notifications

Sensitech Inc. is focused on delivering supply chain visibility solutions that track, monitor and protect products for global leaders in the food, life sciences, consumer goods, and industrial markets. Our solutions are focused in three key areas: quality and compliance, supply chain security, and logistics performance management. Quality and compliance solutions address temperature-sensitive, complex supply chains focused on delivering the highest quality possible, while our supply chain security solutions help to mitigate risks associated with theft, diversion and chain of custody. Sensitech's logistics performance solutions deliver origin-to-destination, real-time transparency to any in-transit journey. Sensitech Inc. is an ISO 9001:2008 company, headquartered in Beverly, Mass., with more than 35 sales, service and distribution locations around the world. Sensitech is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp., a leading provider to the aerospace and building systems industries worldwide. Visit [www.sensitech.com](http://www.sensitech.com) for additional information. © 2018 Sensitech Inc. All Rights Reserved. Unless otherwise indicated, all trademarks and service marks are the property of Sensitech Inc.