



# Sentry 500

## Air Cargo Tracker

## Global Real-time 3G Cellular Visibility for 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 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. These applications also provide global logistics performance data such as notification of delays, unexpected stops, and deviations from expected routes. For high-value shipments, Sensitech can provide an integrated security solution with our global Command and Control Centers (C3) 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 goods in transit, while documenting handling and environmental conditions from origin to destination. The Sentry 500 can be purchased as single use or as a rechargeable multiple use unit.

### Key Features and Benefits

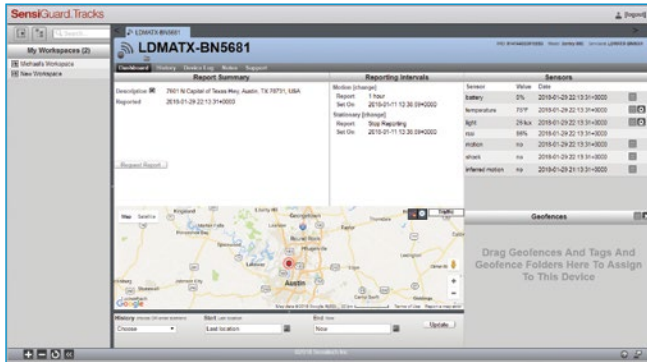
- Global 3G cellular coverage
- Simple push button activation and placement
- Configurable reporting intervals
- Real-time location tracking to support both logistics and security
- Flexible alarming based on key events (e.g., departure from route, shock, light, temperature excursion, 50 miles from destination, etc.)
- Easy deployment—the device is simply placed on the pallet or package
- Includes both GPS and cellular location technology
- 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>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>Worldwide Communication</b>	GSM/GPRS/Edge Quad band radio UMTS/HSPA
<b>Battery Capacity</b>	<ul style="list-style-type: none"> <li>Rechargeable lithium-ion battery</li> <li>Complies with United Nations (UN) Transportation regulations UN ST/SG/AC.10/11 and Underwriters Laboratory, 'Lithium batteries' UL1642;</li> <li>IEC62133, Directive 2006/66/EC, ROHS 2002/95/EC</li> </ul>
<b>Internal Sensors</b>	<ul style="list-style-type: none"> <li>GPS</li> <li>Temperature: -20°C to 60°C</li> <li>Light</li> <li>Motion and Shock Detection</li> </ul>
<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>Charging Accessories</b>	USB Charger (option) Mass Charger (option)
<b>Reporting</b>	Minimum reporting interval – 7 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 Li 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 Li Ion 38.6 Wh cell; >2 packages per consignment where package contains at least one device will require UN3841 IATA DG Lithium Handling Label.
<b>Certification / Approvals</b>	FAA Compliant; FCC Compliant; CSA C22.2 No. 60950-1-07 Compliant; RTCA DO-160G Subchapter 21 (P, H, M, Q) Compliant; RoHS Compliant; CE Compliant; RTTE Compliant; PTCRB Approved; UL Listed

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 9001:2015 company, headquartered in Beverly, Mass., with over 35 sales, service and distribution locations around the world. Sensitech is a Carrier company, a leading provider of heating, air conditioning and refrigeration systems, building controls and automation, and fire and security systems leading to safer, smarter, sustainable and high-performance buildings. Unless otherwise indicated, all trademarks and service marks are the property of Sensitech Inc. Visit [www.sensitech.com](http://www.sensitech.com) for additional information. ©2020 Carrier. All Rights Reserved.

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09/20

