



GD100 tracker

Our single use solution for your temperature sensitive cargo



Features

Cargo theft investigation using the built in light sensor to determine when packages are being tampered with or opened. Immediately sends alarm indicating package has been opened at an unscheduled time or unapproved location with Google Map location, time and date stamp.

24/7/365 command call center, Secure Web Portal. Sampling and reporting intervals configured at time of shipment and can be changed while in-transit.

Improve operational productivity, enhance client visibility. The first disposable GPS device on the market. The GD100 eliminates the challenges with reverse logistics. SecureFlight™ suppresses transmissions during flight operations. Independent lab tested RTCA/DO-160 meeting global regulatory requirements, including FAA and EASA.

Data maintained 5 (five) years. Unlimited users as part of RouteWatch. Cargo embedment for ground and air shipments.

Benefits



Automated Reports

TEMS report and automated arrival notices sent immediately upon arrival.



Real-Time Tracking

Real-time GPS tracking with GSM Cell Tower ID back-up.



Data Uploading

USB uploads data to our RouteWatch platform in the event of a communication failure, never risk your data.



Approvals/Certifications

SecureFlight™ approved on over 25 global Airline companies.* GPS tracker certified under CE/FCC guidelines



Alerts

Provides many capabilities for monitoring temperature, geo-fence (arrivals/departures), and light level.



Battery / No charging

No Charging required (manage inventories without managing the shelf-life).



LEDs

Visual LEDs for quick notification of Communication Interruptions or Out of Temperature

- For a complete list of airline approvals, please visit our webpage at www.7pgps.com/airlines.html. Real-time data is not available during flight operations, all data is buffered onboard the GD100 until communications are resumed

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Specification

- **GSM/GPRS Frequency**
Quad Band: 850/900/1800/1900 MHz compliant to GSM phase 2/2+
- **GPS Chipset:** U-blox All-In-One GPS Receiver
- **GSM/GPS Antennas:** Internal Only
- **Power On process**
- **Stop Button**
The "Stop" button allows the receiver to stop the recording of data for reporting purposes in the event of a communication failure.
- **Dimensions:** 5 x 2.25 x .5 inches
- **Receiver Sensitivity:** Class II RBER 2% (-107 dBm)
- **Stability of Frequency:** <2.5 ppm
- **Max Frequency Error:** ±0.1 ppm
- **Certifications:** CE, FCC, RTCA/DO-160
- **Validation Standards:** GMP: 21CFR Part II; EU GDP
- **Battery Life:** Three (3) cells, non-rechargeable for long range shelf life.
- **Buffered Data:**
In the event of communication failure the device will buffer 3,000 records. Buffered data is sent then communications are restored.
- **USB:** USB provides back-up data capabilities.



Operating Temperature: -20°C to +85°C.

Temperature Sensor

NIST and other Global Traceable standards calibrated temperature sensor with tolerance of

±0.5°C	2° to 8°C
±0.5°C	+15°C to +25°C
±1.0°C	-15°C to -25°C

Calibration at time of manufacture. Individual calibration can be done upon request.

Light Sensor

Light Sensor to be utilized to trigger event messages when shipping cartons or climate control containers are opened. To include facility refrigerators and freezers.

Water Resistance: IP1 protection

Compliant with @Track Protocol:

Same protocol with Queclink GL200 or GL300