Geo-TraxSAT+
Satellite-Based Asset Tracking Device

Designed for the intelligent management of fixed and mobile assets, the Geo-TraxSAT+ is a practical solution for a multitude of options including:

- 12 different reporting times
- Interval or 24-hour operation mode
- Alternate reporting schedules
- Low battery message

Track intermediate bulk containers, vehicles and boats as a solution to improve your asset’s operating efficiency and security.

The Geo-TraxSAT+ can be line-powered, or in the absence or interruption of external power, the Geo-TraxSAT+ will automatically switch to battery back-up. When using line-power, the user has maximum flexibility in messaging frequency allowing for regular monitoring of asset location.

The Geo-TraxSAT+ utilizes motion sensors, comparative GPS positions and custom configured sensors to gather and transmit asset status information. Each Geo-TraxSAT+ is configured to track its asset’s specific needs and provide intermediate and emergency alerts by email or text.

FEATURES

- Quick installation: Use industrial adhesives, brackets or screw mounts for installation
- Operates on 5v external line power, 8-22v regulator cable, or (4) AAA Lithium batteries
- Automatic alerts: Change of location sensing sends alerts if asset moves outside of pre-determined range
- Messaging reduction mode: Reduced satellite messaging if asset remains in same location for a pre-determined period of time
- Hardware on/off feature: Allows the unit to initiate GPS re-centering functionality
- Accepts serial signals (TTL) from external inputs

BENEFITS

- Asset-ready design: Allows for easy installation and field management without the need for antennas or external power
- No need to purchase expensive proprietary batteries for replacement

GEO-TRAXSAT+ SETUP INCLUDES

- 12 different reporting times
- Interval or 24-hour operation mode
- Alternate reporting schedules
- Low battery message
- Motion Sensor/Vibration parameter and scheduling
- Diagnostic messages
Geo-TraxSAT+
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Technical Specifications

Operating Specifications

Dimensions: 2.7 IN (H) x 3.25 IN (W) x 1 IN (D) (with brackets)
Weight: 3.6oz/102g (with 4 batteries and mounting hardware)
Operating Temp: -30° to +60° C
NOTE: The unit shall remain operational over the -40° to +85° C range, though may experience battery life and RF signal degradation
Line power: 5v DC or 8-22v DC with regulator cable
Battery Type: (4) AAA 1.5v lithium
Provides 1.5+ years of battery life
Removes the need to purchase expensive proprietary batteries for replacement
Certifications:
- ANATEL Certification for Brazil (pending)
- FCC CFR Parts 15 and 25
- Industry Canada
- CE Mark (European Certification)
- COFETEL (pending)
Standards:
- SAE J1455 MIL STD 810
- NEMA 4X / IP68
- RoHS Compliant
Satellite Tech:
- Global LEO Satellite operation using the Globalstar Simplex Data Network

Feature Set

STANDARD MESSAGING:
- Wake, GPS locate, transmit location, resume sleep
- Up to 12 programmable sleep time-of-wake settings

ALTERNATIVE REPORTING:
- Alternate supervisory reporting schedule triggered by alarm or motion
- Transmits GPS location on alternate interval for programmed time or while alarm remains active

INTEGRATED ACCELEROMETER:
- Message on start and stop
- Engage interval override on motion for set time or while in motion

CHANGE OF LOCATION:
- Theft recovery reporting based on distance moved
- Reduced messaging mode

SERIAL COMMUNICATION CAPABILITY:
- User defined messages
- Serial (TTL) I/O capability to interface with remote passive and smart sensors and deliver user defined messages

Accessories:
- USB Configuration Cable (Sold Separately)
- Combined Serial, 5v LP, I/O Cable (Sold Separately)
- Combined Serial, 22v LP, I/O Cable (Sold Separately)
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Global Coverage Map

Additional Coverage Map Details
Completion rates based on Remote Telemetry Units (RTU) that are set to transmit a single packet message 3-times (the original transmission plus 2-repeats) in the frequency appropriate for the given regions. This is an estimate of coverage only. Actual Remote Telemetry coverage may vary based on terminal location, terrain features, signal strength, and other factors affecting satellite communications. Coverage may vary. Specifications subject to change without notice. This map indicates areas of potential satellite coverage only. Actual availability of service in any particular country may be subject to government approval.