

## GTTS-2000B

Reliable global tracking system using the Iridium Short Burst Data network



### Overview

The GTTS-2000B is an Iridium Short Burst Data (SBD) tracking device with an extended battery life, designed to operate reliably and cost-effectively in the most hostile environmental conditions. Its simple installation process and minimal costs make it a truly unique option for applications that require long-term, low-maintenance tracking and tracing support.

#### A true 'plug and play' installation process

The GTTS-2000B requires no wiring or switches and has zero installation costs. It simply sticks like a magnet to any ferrous surface and activates itself automatically.

#### All you need in a single compact enclosure

GPS and Iridium antennas along with a long-life battery are enclosed in a single robust form factor, providing you with a single, all-in-one solution for a broad range of tracking applications.

#### Activate tracking applications quickly

The GTTS-2000B self-activates whenever it is magnetically mounted on a ferrous surface. It allows you to quickly implement tracking and tracing for a variety of uses such as tracing trucks and trailers, vessels, barges, dredgers and excavators. Its ideal for container tracking and deployment in any environment where power sources are unavailable.

### Details

Manufacturer:	• gtt systems
Network:	• Iridium
Device Type:	• Tracker
Markets:	• Tracking

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## Technical Specs

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### Product Specifications

#### Physical

- Size: 350x100x50mm
- Weight: 1250g
- Optional Magnets Weight: 180g
- Magnets holding force: 1080N (~108kg)

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#### Sensors

- Motion Sensor: Used to control reporting frequency
- Ferro Detector: Used as turn on/ off switch and removal/ sabotage detector

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#### Satellite

- Iridium Constellation: True Global Coverage
- Frequency: 1616-1626.5 MHz
- Transmission: Short Burst Data TDMA/ FDMA
- Communication: Direct IP and/ or email
- Iridium RX/ TX antenna: Integrated patch antenna
- GPS: 20 channels Sirf III
- Accuracy: 1.8m CEP(95)
- GPS RX Antenna: Integrated patch antenna

#### Environmental

- Operating Temperature: -40 to +65C
- Storage Temperature: -40 to +65C
- Humidity: 100%

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#### Electrical

- Electrical Battery: 5.6V / 15.6Ah
- Battery Chemistry: Lithium Sulphur Dioxide Li-SO2
- Power Consumption: 60uA typical (sleep)
- Expected Battery Lifetime: 4000 transmissions
- 2.4GHz Wireless ANT: Used for optional wireless sensors and/ or maintenance & control

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#### Physical

- Reflector Size: 77x 72cm
- Weight: 33.5lb; 15.2kg (with transceiver and universal wall mount)

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#### Inter-Facility Link (IFL) Cable

- Type: RG-6, 75 Ohm
- Connector: F (male)
- Length (max): 60m