Personal Tracker

Portable Satellite Tracking and Messaging Terminal

The GMPT-401 Personal Tracker is a unique individual component solution that transforms a smartphone into a satellite tracking and messaging device. For industrial, enterprise and military remote workforces needing robust and reliable comms wherever they are at work, the Personal Tracker's satellite-based tracking and 2-way text messaging capabilities offer peace of mind, in a portable design using your workforce's existing smart devices.

Personal Tracker draws on the reliability of the Iridium low-Earth orbit (LEO) satellite architecture which provides coverage over 100 percent of the Earth's surface, including across oceans, airways and Polar Regions. This is backed by Honeywell's bespoke dual redundant high availability monitoring system. Personal Tracker offers affordable two-way communication, tracking and alerting for lone workers and fleets across the globe in maritime, military/government, aviation, security and emergency services, and Oil/Gas/Petro-chemical industries.

When used in conjunction with a smartphone and via Bluetooth® connection, the fully configurable Personal Tracker app supports SOS initiation, interactive SOS messages, location, waypoint, trip info, tracking, text messaging settings editing and alert information, all on the phone's LCD touch screen display. Users can quickly locate and communicate directly with the nearest Personal Tracker in a group or fleet, as well as back and forth with a central server. Personal Tracker can also be used as a standalone device, offering an enterprise-grade ultra-rugged portable satellite terminal for tracking and SOS alert capabilities for remote workers and teams.

Rated C1D2 and IP67, the compact, ergonomic and rugged Personal Tracker is ideal for workers and teams who need a dependable communications solution in challenging environments.

Individual component design for complete flexibility in one solution consisting of a satellite tracker unit that can operate as a standalone device, an optional smartphone holder and a detachable antenna, offering a seamless user experience.

FEATURES & BENEFITS

- Seamless Integration with Your Smartphone: transforms your existing phone into one seamless, easy to use satellite personal tracking and messaging solution with feature-rich Tracker app (SOS, location, waypoint, trip info, alert)

- Secure and Reliable Worldwide Satellite Connectivity: Using Iridium LEO Satellite architecture, tracks and monitors assets and individuals anywhere in the world with field-proven and affordable satellite connectivity

- Compact and Tough: C1D2 and IP67-rated lightweight and ergonomic design with battery sharing capability, making it suitable for term use in virtually environments

- Individual Component Design Forming a Flexible Solution: Consists of a satellite tracker unit that can operate as a standalone device, an optional smartphone holder and a detachable antenna, offering a seamless user experience. The antenna can be removed to connect Personal Tracker to an external antenna, for example to track vehicles.

- Powerful Asset Monitoring Tool for Total Visibility of People and Assets, Worldwide: full-featured tracking and monitoring technology facilitates viewing of your workforce and assets in a standard web browser; data feeds can also be integrated into custom enterprise resource planning (ERP) solutions

- Two-way Communication: Quickly locate and communicate with team members based on geolocation and status, and send/receive messages directly to/from other devices

- Dedicated Device and App-Based Alert/POI Buttons: Dedicated device alert button to quickly warn others about potential dangers/ hazards, plus an app-based Point-of-Interest (POI) button to easily add POIs to shared maps and indicate safe/unsafe areas

- Interactive SOS App: SOS alerts can be initiated either via the Personal Tracker SOS switch or via the smartphone app. With the device and smartphone separate but within Bluetooth range, the SOS alert can be initiated by both. SOS acknowledgement can be shown on the smartphone screen and via the Personal Tracker's LED.

- Flexible Configuration Options: Can be adjusted and configured either over the air or via smartphone; instantly change reporting rate and wakeup interval using smartphone.

- Advanced Battery Management: Unique built in smart battery sharing capability from tracker to smartphone with set battery threshold in cases of emergency. Charge Personal Tracker and smartphone simultaneously via holder.

Personal Tracker Technical Specifications

PHYSICAL
Dimensions:
Tracker Unit: 182 x 58 x 23 mm
Holder: 170 x 80 x 32 mm without Tracker antenna
Weight:
Tracker Unit: 140 g
Holder: 128 g
Handling:
Tracker Unit: Textured surface on housing
Holder: Textured surface on housing
Display:
Tracker Unit: LEDs (plus smartphone display when used with smartphone)

ENVIRONMENTAL
Operating Temperature:
Tracker Unit: -20°C to +55°C (-4°F to +131°F)
Holder: -20°C to +55°C (-4°F to +131°F)
Storage Temperature:
Tracker Unit: -40°C to +60°C (-40°F to +140°F) g
Holder: -20°C to +55°C (-4°F to +131°F)
Humidity:
Tracker Unit: 95% @ 40°C (+104°F)
Vibration and Shock:
Tracker Unit: Survives a 1.2m (3.3 ft) drop (MIL-STD 810G Method 516.6 Proc IV)
IP Rating:
Tracker Unit: IP67; waterproof to 1 m (3.3 ft) depth for 30 minutes

POWER
Batteries: Rechargeable Li-ion battery (User replaceable). Operation for up to 5 days on a single charge. Rugged magnet connector cable, terminating in USB A connector (+5V 1A-2A). Personal Tracker can act as an emergency supplementary battery to boost smartphone battery

INTERFACES
Docking Port: Magnetic connector passed through to Tracker
Communication: Bluetooth
Bluetooth: Bluetooth Smart 4.0 (Low Energy) connecting to iPhone (also, future connection to external accessories)

SATELLITE CONNECTIVITY
GPS: GPS, GLONASS with anti-jamming facilities
Skyview: 360 degrees
Modem: Iridium Short Burst Data (SBD)

CAPABILITIES
Alerting: Dedicated button or remotely through smartphone app
Points-of-Interest: POI button on app
Messaging Capability: Short text messages with destinations of SMS, email, other trackers, or central control
Tracking: Configurable tracking interval (2 minutes – 24 hours)
Antenna: Removable antenna to allow connection to external vehicle antenna

CERTIFICATION
FCC: FCC CFR47 Part 15B, FCC CFR47 Part 15C, FCC CFR47 Part 25
R&TTE: R&TTE EN301 489-1 V1.9.2, EN301 489-3 V1.6.1, EN301 489-17 V2.2.1, EN301 489-20 V1.2.1, EN301 441 V1.1.1, EN300 328 V1.9.1, EN300 440-1 V1.6.1, EN300 440-2 V1.4.1
Safety: IEC60950-1:2005/EN60950-1:2006, UL60950-1, ANSI/ISA 12.12.01, UL50, C1D2
Others: SAR, BQB, IP66, IP67

SMARTPHONE APP
SOS alerting: SOS to ViewPoint, SMS, or email
Messaging:
Inbox: up to 50 messages
Sent Box: up to 50 messages
Preset Messages: Fixed and editable
Free Text Messages
UTF-8: Character set supported
Points-of-Interest: POI Button
Tracking: Current Location Display
Tracking History Display
Situational Awareness:
On demand locations of other trackers in fleet and Points of interest
Configuration settings:
Stealth Mode
Edit SOS Interval: range 2min-24h, default 15min (also possible via view point)
Edit Reporting Interval : range 2min-24h, default 15min. (also possible via view point
Share battery to phone with set threshold limit
Tracker Battery status alert and warning
SOS contact list

ACCESSORIES
Pogo-to-USB cable
Vehicle charger
Power Supply

For more information
www.tremb.com