

# Do you know *where* your equipment *is?*



## InSight.

ParTrax uses satellite technology, providing seamless coverage for maximum visibility when you need it, where you need it.

## We do.

Using ParTrax, you can receive information on your tractor's engine hours and exact location, perform basic scheduled reporting, and page tractors faster than with GPS-based technology.



### What are the advantages of GLS over GPS?

The Global Positioning System (GPS) provides navigation information via satellite, which requires the unit to calculate its position locally. GLS overcomes GPS's limitations in tracking applications by calculating an asset's location centrally in the SkyBitz Operations Center. That means faster position reports, dramatically lower power consumption, and significantly reduced upfront hardware costs.

#### Affordable & Efficient

#### New Smack & Track feature

Attach it to your tractor and start tracking.

#### Uses set tracking - no cell tower needed

Further out in the open you are the better.

#### Location Mapping

Map the most recent position or historical positions of single or multiple tractors for more controlled fleet management.

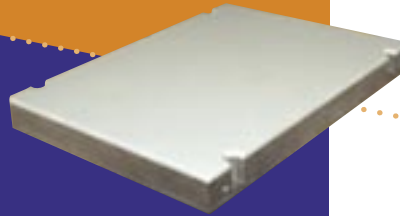


Par Trax technology has the ability to read through fiberglass so the Mobile Terminal can easily be installed inside the cab.

- ✦ Asset Locator
- ✦ Internet Access
- ✦ Panic Operations
- ✦ Address Lookups
- ✦ Email Alerts
- ✦ Paging
- ✦ Service Interval Alerts

### How does the GLS platform work?

The Global Locating System (GLS) platform is based on proprietary and patented methods for accurately determining the position of a mobile asset without the use of a GPS chip set in the mobile terminal. ParTrax has developed various tracking techniques, wireless protocols, and algorithms to optimize the system for accurate, power-efficient, low-cost tracking.



## Mobile Terminal

Frequency of Operation	L Band transmit and receive
Transmit EIRP	1 W
Dimensions	9 5/8" x 7" x 1" 244.48 mm x 177.8 mm x 25.4 mm
Power	Batteries: Internal—8 "AA" lithium primary cells, External-Regulated 6 V vehicle power Automatic sensing and switching to external power
Weight (w/batteries)	3 lb Operating Temperature -40 degrees C to 70 degrees C
Storage Temperature	-55 degrees C to 85 degrees C Vibration 2 G rms, MIL-STD-810D, Method 514.4
Shock	30 G, MIL-STD-810D, Method 516.3, Procedure I
Salt Fog	General Motors Engineering Standards Corrosion Test, GM-9505P for duration of five weeks
Humidity	100% condensing
Water Immersion	1 meter, 30 minutes
Interface	15 pin connector, 2 open/closed switch connections, 2 open closed control lines, RS-485 interface
Mounting	Stainless steel mounting bracket bonded to trailer roof with 3M VHB tape Mobile Terminal

Is your system flexible enough to reprogram over-the-air, or without touching the remote terminal?

ParTrax offers two-way over-the-air protocol. Most processing is performed at our data center, allowing upgrades to occur without ever touching the Mobile Terminal. The Mobile Terminal can be configured over-the-air to change parameters such as reporting rates, paging intervals, and sensor controls.

Does the battery send out a low charge signal as it wears down?

Our units provide a warning as battery life declines. When you do have to change the battery, we provide a tool kit with complete, easy-to-follow instructions that should take no longer than 15 minutes.

How do I access my Par-Trax data?

After installing and configuring the Mobile Terminal to meet your tracking needs, you can view your data several ways. With a standard Internet browser, you can access your password-protected data or your data can be exported to your operating system via XML feed.

How often does the Mobile Terminal report its position? Is position reporting done automatically at regular intervals, or is it on demand?

You can program the system any way that you choose for reporting that meets your needs. For example, the Mobile Terminal can be programmed to wake-up and report



The Mobile Terminal uses satellite technology and a patented location-determining algorithm, which derives the MT's location without a separate GPS receiver. This provides the user with reliable location information at a lower cost.

Map Symbol ID	Asset ID	Time of Observation (PST)	Serial Number	Hour Meter	Hour Counter		
1	1769	Dec 2 2004 11:05:51 AM	MTXADNC0141229217	886	163*		
Message Type	Latitude	Longitude	Closet Landmark	State	Country	Distance fr Landmark	Battery
Scheduled	36.62101	-121.64223	Salinas	CA	US	4.43 miles S	OK

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