



PEARTRACK

Delivering no-compromise asset tracking

PT-500 5 Year tracking system



PT-500 is a self contained, self powered asset management and recovery tool specially designed for use where the asset often returns to base, but the situation requires a greater degree of reporting and an autonomous system for security purposes (e.g. plant hire). It includes its own battery pack for power, a Quad band GSM/GPRS modem for communication and a GPS module for positioning. Unlike other products, the PT-500 has a battery life of up to 5 years (based on 4 position updates reported daily). If an asset is stolen or moved from its geo-fenced location the PT-500 can be sent a message changing it from asset management to security mode to facilitate recovery; in this alarm mode a GPS position is sent via GPRS or SMS every 5 minutes.

When away from its country of origin, the PT-500 can automatically switch to GSM roaming Mode; whereby it reports less frequently when outside national borders to reduce roaming costs.

To conserve battery power the PT-500 spends much of its time asleep, waking a user-configurable number of times per day or upon external activation (i.e. door opening or movement), performs actions and then returns to sleep until the next wakeup cycle or event. Wake-up cycles can be configured as from 15 minutes up to many days to suit user specific applications.

General Specifications

Dimensions:	150 x 80 x 57 mm
Power:	Internal Lithium Battery Pack (typical 5 year battery life, subject to use)
Communication:	GSM Quad band modem, using GPRS (class 10) and SMS modes
Conformity:	EU Directives 99/5/EC, 89/336/EEC, 73/23/EEC FCC ID PYB 7B C051021 part 15
Positioning:	GPS receiver; 12 Channel, L1 frequency, C/A Code Accuracy (typical); position to 10m, velocity to 0.2 m/s, time 0.2 ns
Inputs/Outputs:	4 Digital inputs, 4 Digital outputs
Protection:	IP65 (weather proof and dust resistant)
Features:	Configurable on-board Geofence, Movement Sensor
Options:	Marinisation External Vent Antenna Kit Tamper detection