

Fact Sheet **GPS TRACKER**

APPLICATION

Battery operated GPS tracking device. Ideal for tracking mobile equipment or valuable assets at risk from theft.

Using the GPS (Global Positioning Satellite) system means the unit can report it's position to within approximately 10 metres.

Being powered by it's own integral lithium power supply, which gives up to 3 years of stand-alone operation (dependant on configuration), stolen/misplaced equipment with no local power supply can now be located.



OPERATION

- Locate a unit anywhere in the world by use of the GPS facility
- Can be customised to interface to a customer's own GIS host facility.
- Communicates via GPRS or SMS text messages to host system
- Can send location details as a text message to a mobile phone as lat/long co-ordinates
- Can be supplied with a variety of antenna (GPS and GSM or combined GPS/GSM) to suit individual requirements
- Can be configured to take readings at regular intervals (e.g. hourly, daily, weekly, etc) and to report readings either in real-time or in batches (to conserve battery life).
- Can be configured by text message over-air or via connected cable
- On-board storage for over 30,000 readings
- Can be supplied in alternative enclosures to suit requirements

The exact operational criteria for the GPS tracking functionality can be tailored to suit individual applications.

TECHNICAL SPECIFICATION

Modem	Quad Band (900/1800/850/1900) GPRS Class 10, GSM, SMS
Size	90mm (W) x 90mm (D) x 80mm (H)
Weight	450g (28g excl. enclosure and battery)
Antenna	External SMA connectors for GPS and GSM antenna
Operating Temperature	-20°C to +55°C
Enclosure Rating	IP66
Enclosure Material	Non flammable polycarbonate
Mounting	4 x M4 (5mm diameter) mounting holes located outside watertight seal
Battery	36Ah Lithium
Battery Life	3 Years for standard configuration
Current Consumption	20uA (quiescent), 1.45A (peak)
Memory	Internal storage for 30,000+ position readings
Expansion	4 digital I/O ports, RS232 interface (via external cable), USB 2.0 (via external cable)

FURTHER INFORMATION

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