

MagnaTik Mk3

GSM GPS Rapid Deployment Tracking System

The Mag3 is the third generation of HTSI's portable *Rapid Deployment* system. Its unique performance, size and cutting edge power management makes this system truly one of a kind.

Rapid deployment

With the powerful earth-magnet plate attached to the Mag3 it can rapidly be deployed within seconds. The unique 360° reception GPS antenna can "see" satellites without having to have a direct view of the sky. This allows the Mag3 in extreme circumstances to be deployed **under vehicles** behind bumpers and still be operational.

Power consumption

This system is delivered with an internal rechargeable Li+ battery. Depending on the setting of the unique three Power Mode Management configurations the Mag3 will be operational between **30 hours and 31 days**. Connected to the standard external battery the Mag3 will be operational between **90-120 hours and 84 days**. Maximum operation life is up to **200 hours and 155 days** if multiple batteries are connected.

Data logging

The Mag3 has a powerful 8 Mb Flash memory onboard. This allows the system to store information about position, time, heading, speed, etc. The system can be configured to log every 20 sec to every 42 mins. The Mag3 will send a SMS warning when the log is nearly full to prevent overwriting of information. The log file can be downloaded via GSM to the CP2 tracking software or directly via an RS485 cable.

Tracking

Besides live tracking from the CP2 software **via SMS or Data** the Mag3 can be configured via various timers and triggers to report back to the software. The tracking of the unit has no influence on the memory data logging.

GSM

The Mag3 has a **tri-band GSM module** that allows the system to be deployed in almost any GSM network around the globe.

GeoFence

The Mag3 has 16 configurable GeoFence areas. The system can be configured to **trigger alarm messages** and log data when leaving and/or entering defined areas.

- **Worldwide GSM tracking**
- **SMS and Data connections**
- **Compact Footprint**
- **Internal battery**
- **Operational up to 31 days**
- **Extra battery options: up to 155 days standby operation**
- **Unique 360° GPS antenna**
- **16 configurable GeoFence areas**
- **Cell site ID logging and reporting**
- **8 Mb Flash memory logging**
- **32,512 logged positions**
- **Weatherproof enclosure**
- **Attachable magnetic plate**
- **Converter lead for hardwire deployment**



Weather proof enclosure

The Mag3 and its spare battery enclosure have been designed

to **operate in extreme harsh and aggressive environments.**



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Specifications for the Mag3 - *Rapid Deployment System*

Physical

Size: 6.6"x 2.3"x 1" (in mm: 170x 60x 25) with 360° GPS helical antenna
3.7"x 2.3"x 1" (in mm: 95 x 60x 25) without GPS antenna

Enclosure: Machined Aluminum Enclosure
+ attachable magnetic plate
Weatherproof enclosure

Connections: Tri-band GSM antenna
Unique 360° GPS helical antenna or external active antenna

Weight: 288 gram inclusive of battery and antennas
84 gram magnetic plate

Memory

Memory capacity: 8 Mb FLASH

Data logging: 32,512 positions

Records location: On timer

Download: Via data or cable

Power Management

Power mode: 3 different power modes

On internal battery: Between 27 hours and 31 days

With external battery added: Between 90 - 120 hours and 93 days
up to 200 hours and 155 days if multiple batteries are connected

GSM

GSM module: Tri-band GSM module

Communication: SMS and Data

GPS

GPS module: 12 channel GPS receiver

Environmental Elements

Operating temperature: -25° Celsius to 70° Celsius

Enclosure: All enclosures are weatherproof. (IP67 build equivalent)

Optional Extras

Converter lead: Allows the Mag3 to be deployed hardwired

In/output interface: I/O box with several inputs and outputs and additional battery
Extra battery: 3.7"x 2.3"x 1" (in mm: 95x 60x 25) weight: 300 gram