



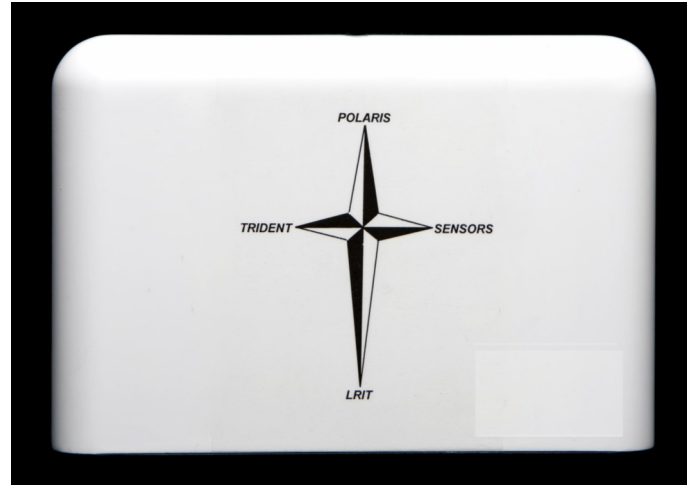
POLARIS

ALL PURPOSE EXTREME MARINE TRACKING SYSTEM



APPLICATIONS

- Truly global remote tracking, all the time, everywhere
- 24/7 support and secure, live, internet tracking, with geo-fencing, available
- Suitable for vessels of any size from container ships to life rafts
- Long Range Identification & Tracking (LRIT)
- Vessel Monitoring System (VMS)
- Ship Security and Alert System (SSAS)
- Search and Rescue (GMDSS ready)
- Alert button
- Loss of external power alert
- email messaging through pc/server interface
- Yacht security and race tracking



*Tracker for ships, fishing vessels, yachts, life boats, motor boats, tenders, tankers, bulk carriers, polar vessels.
6000m submarine version available.*

DESCRIPTION

This is probably the most compact, rugged and versatile maritime system yet produced and at an incredibly competitive price.

The Iridium constellation of 66 low Earth orbit communications satellites is used to transmit GPS and other data to up to 5 email addresses and/or a dedicated website. The unit is remotely reprogrammable via a simple web interface and can be configured for your particular application. The minimum reporting interval is 1 minute by default.

Secure, customised, near real-time web plotting, with geo-fencing, visual and audio alert functions, and 24/7 support can be provided on request.

The unit measures only 1.4" wide x 4" high x 6" long (36 x 104 x 154 mm) and includes built-in Iridium and active GPS antennas as well as a rechargeable Li-ion back-up battery for >1000 autonomous transmissions.

A plug-in mains power supply is provided to allow you to either run the unit off this supply and/or recharge the batteries. Mast mounts are also available for fixing to vertical or horizontal spars or rails (up to 2" (50 mm) diameter).

Installation requires that the unit:

- has a good view of the sky
 - be mounted securely (3 feet (1 m) away from any Inmarsat installation!)
 - has the on/off magnet removed.
- and that's it!

If it is to be run on external power, plug in the power supply and turn it on.





FEATURES

- Truly global coverage, everywhere
- NMEA GPS data string (Lat., Long. , COG, SOG)
- Extreme environment specification:
 - 30 to +80°C
 - 1" (25.4 mm) ice thickness
 - IP68
- Manual alert button and loss of external power alert
- Reporting interval remotely reprogrammable
- IP68 connector when mated
- 6 core cable, for power in and RS232 comms
- New Iridium approved passive octafilar helical Iridium antenna
- Active quadrafilar helical GPS antenna
- TX of battery power and temperature as standard
- SOLAS, LRIT etc. formats transmitted as required
- 10 digital I/O available for additional alarms and sensors
- May be used to send and receive emails
- Rechargeable Li-ion batteries included inside the unit
- Standard version:
 - 1.4" x 4" x 6" (36 x 104 x 154 mm); 16 oz (440 gm)
 - Contains Li-ion rechargeable battery for >1000 TXs per full charge
 - Additional Li-ion rechargeable batteries available for up to 4800 TX's
- Mounting brackets available.

