



BUOY TRACKING SYSTEM

GPS tracking & two-way
Iridium Short Burst Data
Communications

**3000+ TXs from
4 x AA cells**



APPLICATIONS

- Research Buoys
- Drifters
- Glacier tracking

SPECIFICATION

1: The Trident HELIX Ver 4 pcb with:

- Iridium 9603N SBD L-Band Transceiver (9603N)
- Global positioning system (GPS) receiver
- Microprocessor
- A/D converter (ADC) – 12 bit,
- Data storage – EEPROM 128K
- Clock – 32,768 Hz (set from GPS)
- Intelligent power supply module
- LED on indicator

2: Internal Battery - 4 x AA Energizer Ultimate Lithium (3Ah) primary cells

3: Built-in Passive Iridium & Active L1 GPS Antennas

4. Mechanical:

All the above are enclosed in a plastic waterproof housing of only:

- Size: 50 mm diam. X 225 mm long
- Weight: 420 g
- Temperature specification: -30 to +80C

5. ON/OFF - Via magnetically operated reed switch

6. Mounting clamp - can be supplied

DATA & BACK OFFICE

- Deck Unit available for remote receipt of data on ship or in lab or both.
- On-line and off-line mapping software