

# Fastwave



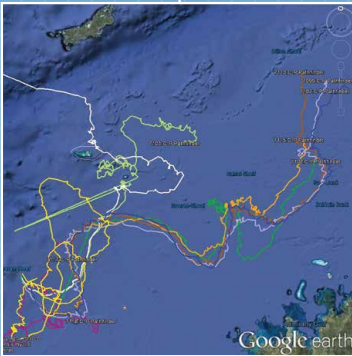
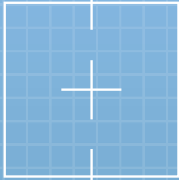
## VOYAGER AIS SATELLITE TRACKING BUOY

THE VOYAGER AIS DRIFTER BUOY HAS AN INTEGRATED AID TO NAVIGATION (ATON) VHF TRANSPONDER TO PROVIDE ENHANCED SITUATIONAL AWARENESS FOR VESSELS CLOSE TO AN OIL SPILL OR SEARCH & RESCUE EVENT.

THE VOYAGER AIS IS VISIBLE TO NEARBY SEARCH OR OIL SPILL RESPONSE VESSELS EQUIPPED WITH AN AIS RECEIVER AND DISPLAY TERMINAL. IT ALSO TRANSMITS ITS POSITION USING IRIDIUM SATELLITE, SO THAT BUOY LOCATION CAN BE TRACKED IN NEAR REAL-TIME FROM ONSHORE, VESSEL OR AIRCRAFT BASED CONTROL CENTERS LOCATED ANYWHERE IN THE WORLD.

### APPLICATIONS

- Maritime Search and Rescue operations
- Oil spill modelling and tracking
- Ocean current tracking
- Sea surface temperature monitoring
- Outfall and dredge plume tracking
- Contaminant and debris tracking
- Coastal engineering studies
- Water quality studies
- Coral spawning studies



## FEATURES

- Global, near real-time, 2-way Iridium satellite communication system transmits GPS position, sea surface temperature and battery voltage
- LED and vibration alert for on/off
- Integrated AIS (AToN) transmitter for enhanced maritime visibility
- Compact and easy to deploy
- Design minimises wind influence and ensures close coupling with surface layer
- Remotely adjustable reporting interval (2 Min - 24 Hrs.)
- Recoverable and re-useable
- Rapid response mode for oil spill tracking and search and rescue
- User replaceable, long shelf-life, flyable D-Cell alkaline battery pack
- Real time tracking and alerting via Fastwave buoy tracking portal

## VOYAGER AIS SATELLITE TRACKING BUOY SPECIFICATIONS

<b>Height Overall</b>	1400 mm
<b>Diameter</b>	250 mm
<b>Approx. Weight</b>	6.7Kgs
<b>Material</b>	HDPE (High Density Polyethylene)
<b>Power Supply</b>	Alkaline D Cell Battery Pack (12 X D-Cell, 9V)
<b>Communications</b>	<p><b>Iridium Satellite:</b> Bi-directional Short Burst Data for global GPS tracking coverage, battery voltage, sea surface temperature and reporting interval control</p> <p><b>AIS:</b> Aid To Navigation (AToN) Type 1 Compliant. VHF Transceiver. Message # 21 Transmission only. Approximate range 10 kilometers (dependent on receiving antenna height and sea state)</p>
<b>Temperature Sensor Operating Environment</b>	Water Temp: -2 to +65 degrees Celsius
<b>Operating Life</b>	
<b>Transmission Intervals</b>	<b>No of Transmission Reports</b>
Emergency: 15 min between SBD transmissions & 5 min for AIS duty cycle	175
Default: 30 min between SBD transmissions & 3 min for AIS duty cycle	200
Extended: 240 min (4 hrs) between SBD transmissions & 15 min for AIS duty cycle	250
Long Term: 720 min (12 hrs) between SBD transmissions & 0 min for AIS duty cycle	300
<b>Notes:</b> Specifications subject to change without prior notice	

**Fastwave**

**P** +61(8) 9381 5353  
**E** info@fastwave.com.au

**www.fastwave.com.au**