REAL-TIME DATA FOR

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

Features

- Global, near real-time, 2-way communication system transmits GPS position, sea surface temperature and battery voltage.
- Design minimises wind influence and ensures close coupling with surface layer.
- Long endurance - e.g. around 300 days @ 3 hourly reporting.
- Re-useable.
- User replaceable, long shelf-life, flyable D-Cell alkaline battery pack.
- Robust, compact design – drop launch from up to 15m, air deploy with parachute.
- Simple to deploy.
- LED and vibration alert for on/off.
- Remotely adjustable reporting interval. (2min – 24hrs)
- Rapid response mode for oil spill tracking and search and rescue.
OPTIONAL FEATURES

- Additional sensor options, e.g. fluorometer, turbidity, compact weather station.
- AIS enabled version for local vessel alerting and tracking.
- Marker flag and strobe light to assist in recovery.
- Compact drogue for sub-surface current tracking.
- Parachute for airborne deployment.
- Solar option for indefinite deployment.
- Transport case.

VOYAGER DATA MANAGEMENT

- The Voyager delivers data to Fastwave's secure servers, where it is de-coded and accessible through an on-line data management portal, or data can be delivered directly to client applications.

- The Fastwave management system enables clients to send commands to the Voyager to change reporting intervals or geofences to be set up.
### VOYAGER DRIFTER BUOY SPECS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height Overall</td>
<td>520mm</td>
</tr>
<tr>
<td>Diameter</td>
<td>250mm</td>
</tr>
<tr>
<td>Approx. Weight</td>
<td>4.7kg's</td>
</tr>
<tr>
<td>Material</td>
<td>HDPE (High Density Polyethylene)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Alkaline D Cell Battery Pack (12 X D-Cell, 9V)</td>
</tr>
<tr>
<td>Communications</td>
<td>Iridium short burst data – Iridium Satellite &amp; GPRS</td>
</tr>
<tr>
<td>Temperature Sensor</td>
<td>Water Temp: -2 to +65 degrees celsius</td>
</tr>
<tr>
<td>Operating Environment</td>
<td></td>
</tr>
<tr>
<td>Operating Life</td>
<td>Around 2000 transmissions on fully charged battery pack</td>
</tr>
</tbody>
</table>

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**Voyager vs Pathfinder Drift Comparison**

![Drift Comparison Diagram]
Voyager Carry Case

- The Voyager Carry case also acts as a test stand, for pre deployment testing.

- The carry case is useful for storage and stacking of Voyagers, during storage.

Voyager with Flag and LED Light

- Easy attachment of the flag, by placing the base of the flag in the mount, making sure that the flag is pushed in all the way.

- When the flag is in position slide the locking tab to the “Lock” position.

- The LED light has a On/Off switch located on body of light assembly. Turn clockwise to turn on. Turn anti-clockwise to turn off.
Voyager – Easy On/Off Switch

- The Voyager has an On/Off switch at the base and has LED and Vibration status alerts, once turned on.

- The **RED** marker indicates “On” and the **BLACK** marker indicates “Off”.

- The base cap includes a Temp sensor and a Pressure Relieve Valve.

Voyager Deployment

- Easy to deploy and can be drop launched from 15m or less, without a parachute.

- Drop launched above 15m with a parachute. The parachute clips on in four places, one on each fin.

Video – Voyager taking the plunge

Voyager with Hydrocarbon Sensor

- The Hydrocarbon Sensor attaches as an additional module to the Voyager Drifter Buoy.

www.fastwave.com.au

Voyager Pre-Deployment Sequence

Video – Pre-Deployment sequence