SATELLITE BUOY SYSTEM

MARINE STAR

BUOY : MODEL SV-1800A
CONTROLLER : MODEL SV-SC5000

New Feature Available Now

Command on demand at any time of the day
Bouy accept command 24 hours a day
The status of command process is shown at first sight
Additional indicator to show the progress
Improved reliability in use under severe environment
Accurate speed and heading course projection

specification

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Approx. 420 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>Approx. 290 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 9.2 kg</td>
</tr>
<tr>
<td>Main Material</td>
<td>Resin</td>
</tr>
<tr>
<td>Communication Method</td>
<td>Inmarsat Satellite</td>
</tr>
<tr>
<td>Area</td>
<td>Global</td>
</tr>
<tr>
<td>Data Transfer Speed</td>
<td>(Transmission) 10 bps (Reception) 9 bps</td>
</tr>
<tr>
<td>Sensor Range</td>
<td>32-122°F, 0-50°C (0.1 step)</td>
</tr>
<tr>
<td>Power Source</td>
<td>Solar panel and battery 12V 12Ah 3W external charger</td>
</tr>
<tr>
<td>Water Proof</td>
<td>Approx. 5 m (0.5 BAR)</td>
</tr>
</tbody>
</table>

Windows PC with 19 inch LCD monitor

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Absolute privacy "communication via satellite"

System

- Inmarsat satellite
- Land station
- Server
- Ship station
- Buoy station

The system plots the selected buoy course and speed against the ships course and speed. A target position of intersect and approach vector are displayed automatically. As the vessel approaches, the call interval is automatically selected, and the approach course updated with high accuracy.

- GPS position,
- Current speed
- Heading course
- Water temperature

- Direction to the buoy
- Distance to the buoy
- Estimated time of arrival
- Running time to the buoy
- Difference from the approaching course

Buoy Icon shows projected present position and heading course

- Last buoy position is displayed as a red mark.
- The system uses the stored GPS data from each buoy to calculate a highly accurate projection of the buoys present position and course.
- A buoy Icon is displayed with buoy ID No., and a 12 hour course projection scale.
- Navigation information to the buoy is displayed and updated automatically in the lower left of the screen.

Automatic "Approach Mode" saves time and fuel when approaching buoy