

Polar iSVP

- Ice Floe/Iceberg Tracking
- Bi-directional communication
- Innovative and robust design



METOCEAN SYSTEMS

The Polar iSVP is an expendable, low-cost, bi-directional Iridium® communications spherical buoy. MetOcean Telematics developed the Polar iSVP to meet the demanding needs of the offshore oil industry, ocean freight industry, and the oceanographic scientific community.

The Polar iSVP was designed specifically to track and monitor ice floe movement, providing the user with essential real-time GPS positional data and sea surface temperature and optional barometric pressure.



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telematics

iridium[®]

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Polar iSVP

TECHNICAL SPECIFICATIONS

PHYSICAL

| | |
|---------------|-------------|
| Hull Diameter | 13" (33 cm) |
| Mass (in air) | 25 lbs |

CONSTRUCTION

| | |
|------|-------------|
| Hull | ABS (White) |
|------|-------------|

SENSORS

| | |
|-------------------------|-------------------|
| Sea Surface Temperature | US Sensor PR303J2 |
| Barometric Pressure | Vaisala PTB100 |

ELECTRONICS

| | |
|-------------------|-------------------------|
| Iridium telemetry | 9602N SBD Transceiver |
| GPS | Telit Jupiter F2 Module |
| Controller | MetOcean GEN2 |

POWER SUPPLY

| | |
|-----------|--------------------------|
| Battery | 40 D-cells |
| Chemistry | Alkaline |
| Optional | Lithium Thionyl Chloride |

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