

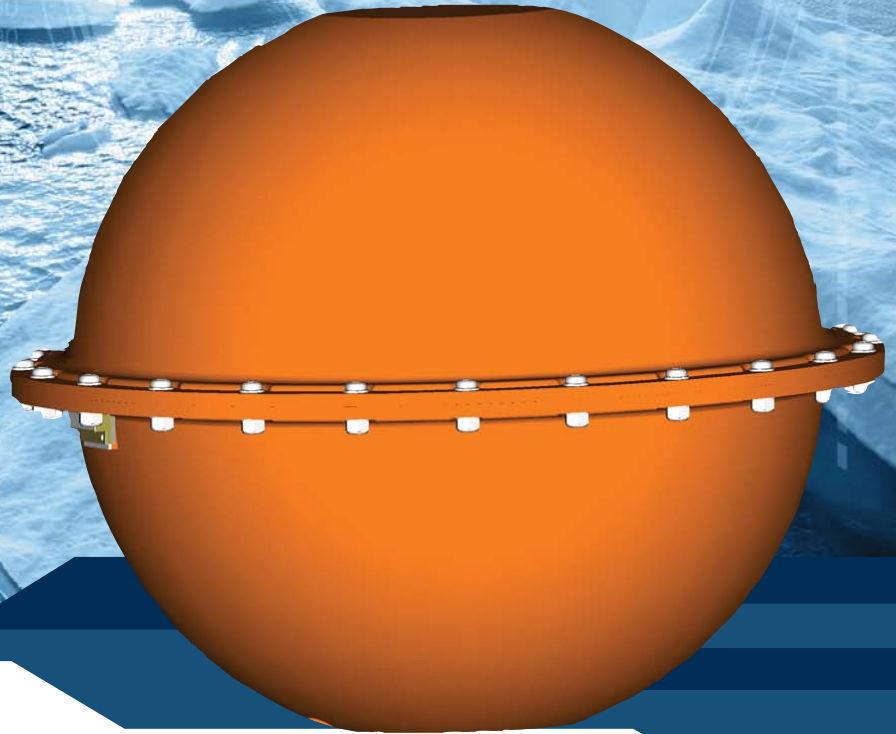
# Polar iSVP

BI-DIRECTIONAL SPHERICAL MARKER BEACON

Real-Time Data

Robust Design

Easy to Deploy



The Polar iSVP is an expendable, low cost, bi-directional spherical marker beacon. The beacon was developed to meet the demanding needs of the offshore oil industry, ocean freight industry and the oceanographic scientific community. The beacon was designed specifically to track and monitor ice flow movement. The Polar iSVP also provides the user with essential real-time barometric pressure and GPS positional data.

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## Technical Specifications

### Buoy Dimensions

Surface Unit Diameter	15.50 inches (39.5 cm)
Mass (in air)	24 lbs. (10.9 kg)

### Buoy Construction

Surface Unit	Injection molded high impact ABS
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### Operation

Surface temperature	-50C to +32C
Relative humidity	0 to 100% marine environment
Barometric pressure (optional)	800 to 1060 mbar
Operating life	Up to 18 months* (lithium battery) Up to 6-8 months* (alkaline battery)
Storage life	Up to 24 months
Time reference	UTC and Julian hour
Storage temperature	-20C to +55C (-4F to 131F)
Storage life	Up to 24 months

### Survival

Sea state	SS6
Deployment free fall height	33 ft (10m) into water

### Electronics

- MetOcean's Global Platform Transceiver Controller™
- Navman Jupiter 32 Global Positioning System module
- Iridium 9602 Short Burst Data transceiver

### Data Collection

- Drifting Buoy Cooperative Panel DBCP-2 format (standard)
- Can be customized depending upon customer requirement (optional)

### Data Transmission

- Bidirectional communication ability allows the end user to select on demand Iridium transmission interval to suit operational requirement.
- Transmissions can be set up at predetermined schedule intervals and / or poll the unit for immediate results.
- Data latency is less than 60 seconds from start of transmission

\* Operational life is dependent upon sensor suite, transmission interval and storage conditions.

