

# SVP

## IRIDIUM DRIFTER

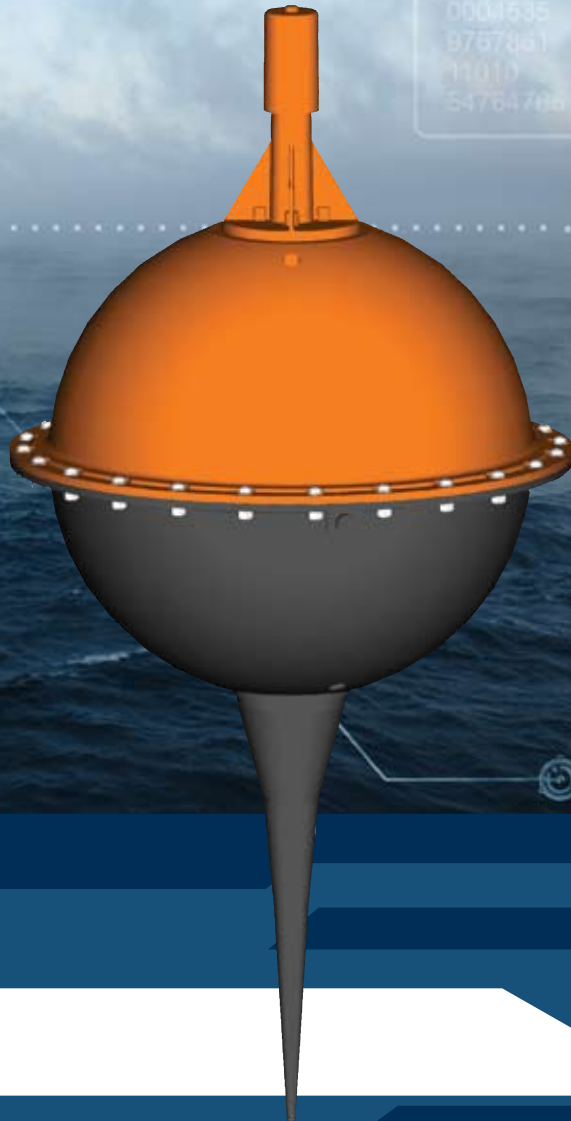
Low Cost Telemetry Solution

Optional Sensors Available

Ship or Air Deployable



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The METOCEAN SVP-Iridium drifter is an innovative addition to the spherical drifter family. The SVP-Iridium drifter has been designed and thoroughly tested to track ocean current and provide environmental data at a designated depth beneath the ocean surface.

The SVP-Iridium drifter is truly unique. The buoy utilizes the dependable bi-directional Iridium satellite system to communicate and to transmit essential scientific data. Iridium telemetry is the most cost effective means of transmitting data for environmental applications.

The METOCEAN SVP-Iridium drifter is also remarkably versatile. Additional sensor options are available, which included: air pressure (BP), salinity (CT), GPS positioning, wind speed and wind speed direction (WSD).



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# SVP IRIDIUM

## SURFACE VELOCITY PROGRAM DRIFTER

### Technical Specifications

#### Buoy Dimensions

Surface Unit Diameter	15.50 inches (39.5 cm)
Mass (in air)	40 lbs. (18.1 kg)

#### Buoy Construction

Surface Unit	Injection molded high impact ABS
Tether	Plastic coated stainless steel cable
Drogue	No rip nylon

#### Drogue

Length	210 inches (5.3m)
Diameter	24.00 inches (60 cm)
Style	Holey sock

#### Tether

Length (to center of drogue)	590.5 inches (15m)
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#### Operation

Air temperature	-20C to 50C (-4F to 122F)
Water temperature	-2C to +45C (28F to 113F)
Relative humidity	0 to 100% marine environment
Barometric pressure (optional)	800 to 1060 mbar
Sea state	SS5
Operating life	Up to 18 months*
Storage life	Up to 24 months
Storage temperature	-20C to +55C (-4F to 131F)
Time reference	UTC and Julian hour

#### Storage

Storage temperature	-20C to +55C (-4F to 131F)
Storage life	Up to 24 months

#### Survival

Temperature	-40C to +70C (-40F to 158F)
Sea state	SS6
Deployment free fall height	33 ft (10m) into water

#### Electronics

MetOcean's Global Platform Transceiver Controller TM  
Navman Jupiter 32 Global Positioning System module  
Iridium 9601 Short Burst Data transceiver  
Strain gauge drogue presence system

#### Data Collection

As per the 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.



SVP-BP-Iridium



SVP Iridium with Drogue



## Data collection and communication experts

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