

# SVP Iridium Drifter

- Low Cost Telemetry Solution
- Optional Sensors Available
- Ship or Air Deployable



METOCEAN SYSTEMS

The 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 SVP Iridium® drifter is also remarkably versatile.

Additional sensor options are available, which included: air pressure (BP), salinity (CT) and GPS positioning.



## Quick Specifications

Size (diameter)	15.50 inches (39.5 cm)
Mass	40 lbs. (18.1 kg)
Operating Life	Up to 18 months
Drogue Type	Holey sock

**metOcean**  
telematics

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# SVP Iridium 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)

### 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 9602N 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.



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