Iridium Drifter (OT-SVP)

Lagrangian drifter

Features

The OT-SVP is for tracking surface current and investigation of World Ocean Circulation .

The OT-SVP provides real-time marine weather information such as Surface water temperature, Barometer and Significant wave height/direction.

The OT-SVP's sensor configuration can be adjusted by user's request.
The drogue length can be modified depending on depth rate or geographical features.

Type of Models

Type	Model No.	Configuration of Sensors
Position	OT-SVP	GPS
Standard	OT-SVP-I	GPS, Water Temperature
Barometer	OT-SVP-I-B	GPS, Water Temperature, Barometer
Extended	OT-SVP-I-BW	GPS, Water Temperature, Barometer, Wave

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Specification

Communication

Telemetry	Iridium satellite system

Measurement

		Range	Accuracy
Water Temperature		- 40 ~ 60 ℃	± 0.1 ℃
Barometer		300 ~ 1100 hPa	(700~1100 hPa @25℃) ±0.2 hPa (0~65℃ @p const.) ±0.5 hPa
Wave Parameters at 3D mode	Significant Height	0 ~ 20M	±10 Cm
	Maximum Height	0 ~ 25M	±10 Cm
	Period	0~18 sec	± 1.0 sec

Power

Battery type	D Alkaline Battery Array (80 or 120 cells, Selectable)
Lifetime	Minimum 1 year (with 80 cells)

Survival Environment

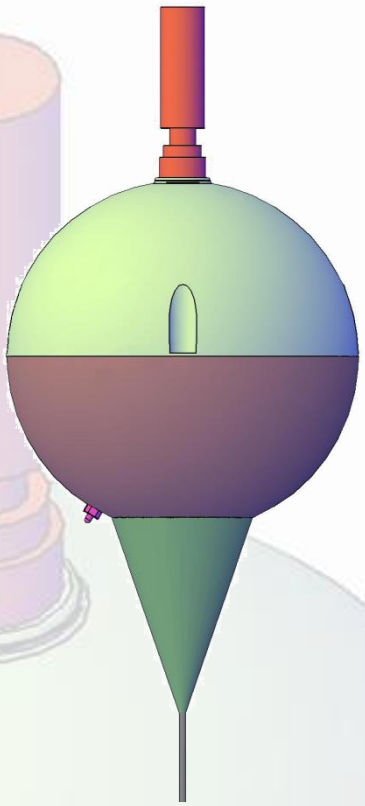
Temperature	-30~60 ℃
Wind Speed	0~25 m/s
Humidity	0~100 %
Wave	0~25 m

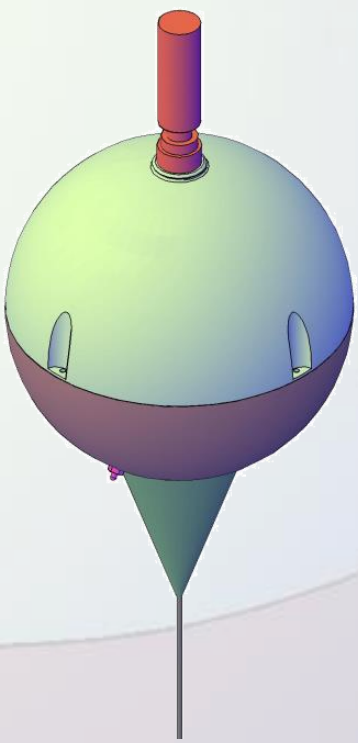
Float

Diameter(mm)	400Ø
Weight (in air)	16kg (without Drogue)
Material	FRP (fiberglass reinforced plastics)

Drogue

Style	Holey sock type,
Diameter(mm)	900
Length(mm)	900 (per 1 cell), Max 5400 (added up to 6 cells)





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