

SC40 SVP-B

Sea surface temperature measurement

The **SC 40 SVP-B** buoy is a drifting buoy fitted with a GPS receiver, a **Sea Surface Temperature sensor (SST)**, a Barometric Pressure sensor, a Drogue presence sensor, a GPS positioning and an IRIDIUM satellite communication to transmit data.

Main features

- Very simple to use
- “Holey socks drogue”
- Easy BT connection for parameters setting
- Alkaline battery solutions
- 40 cm diameter spherical buoy

This product was developed within requirements of the Data Buoy Cooperation Panel (DBCP), the data buoy component of the Joint World Meteorological Organization (WMO) and Intergovernmental Oceanographic Commission (IOC, of UNESCO) Technical Commission for Oceanography and Marine Meteorology (JCOMM).

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INSTRUMENTATION





SC40 SVP-B

Ocean drifter

Model	SC40 I-SVP-B
Main	IRIDUM & GPS
Transmitter	9602 iridium modem
Antenna	Helicoidal for Iridium Patch for GPS
GPS & position	
Receiver	72 channels , code CA
Acquisition period	From 5 minutes to 10 days (1 typical hour)
Accuracy	Typical < 10 meters
Transmission	
Period	From 5 minutes to 10 days
Messages	13 fixes in one SBD (optional)
Measurements	
Barometric Pressure Sensor	
Range	800...1100hPA
Accuracy	+/-0.3hPA at +20°C
Analog Sea Surface Temperature (SST)	
Accuracy	< +/-0.1°C
Drogue indicator	
Gauge sensor	
Drogue	
In compliance with DBCP drag ratio >40	
Drogue	Holey socks 0.6 m length 5 meter,
Line	Drogue centered at 15m
Battery & autonomy	
Technology	Alkaline
Capacity	72 Ah
Autonomy	According parameters setting > 1,5 year
Environmental features	
Operating temperature	-20°C to +50°C
Storage temperature	-10°C to +25°C for optimum battery shelf life
Water tightness	10 dbars



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