

# 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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Drifting Buoys



# SC40 SVP-B

Ocean drifter

Model		SC40 I-SVP-B
Main		IRIDIUM & 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 ( <i>optional</i> ) Format #000 (DBCP Iridium SBD dataformat)
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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