

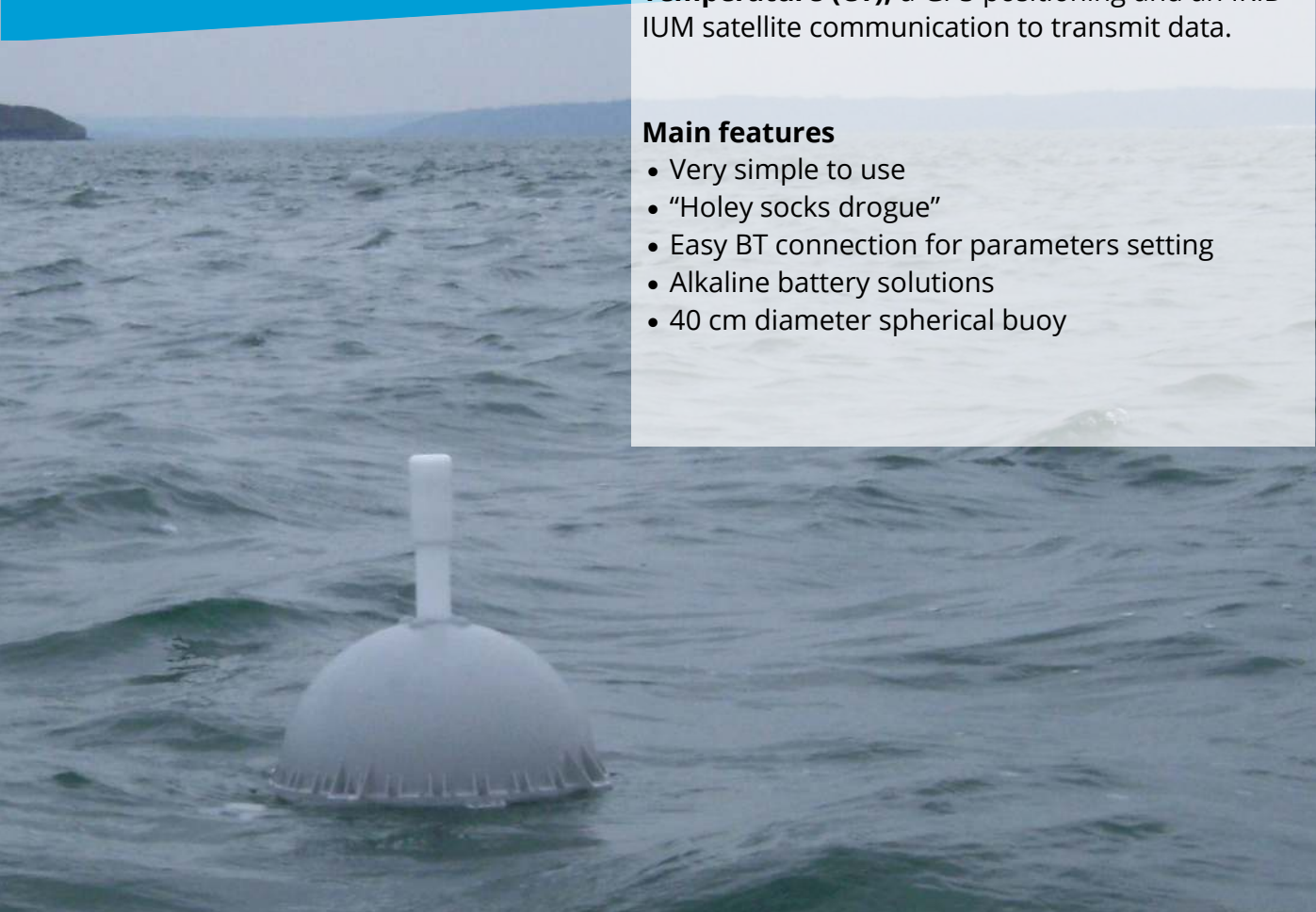
# SC40 SVP-BSC

## Sea surface temperature, conductivity and salinity measurement

The **SC 40** 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 **Probe sensor Conductivity/Temperature (CT)**, 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



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*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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# SC40 SVP-BSC

Ocean drifter

Model	SC40 I-SVP BSC
<b>Main</b>	<b>IRIDUM &amp; GPS</b>
Transmitter	9602 iridium modem
Antenna	Helicoidal for Iridium Patch for GPS
<b>GPS &amp; position</b>	
Receiver	72 channels , code CA
Acquisition period	From 5 minutes to 10 days (1 typical hour)
Accuracy	Typical < 10 meters
<b>Transmission</b>	
Period	From 5 minutes to 10 days
Messages	13 fixes in one SBD (optional)
<b>Measurements</b>	
<b>Barometric Pressure Sensor</b>	
Range	800...1100hPA
Accuracy	+/-0.3hPA at +20°C
<b>Temperature Sensor</b>	
Accuracy / Resolution	+/-0.005°C / 0.001°C
Range	-2°C +35°C
Temperature sensor position	-15 cm
<b>Conductivity Sensor</b>	
Accuracy / Resolution	0.04 mS/cm / 0.004 mS/cm
Range	0 to 30dBar
<b>Salinity (deducted)</b>	
Accuracy	0.05 PSU
<b>Drogue indicator</b>	Gauge sensor
<b>Drogue</b>	In compliance with DBCP drag ratio >40
Drogue	Holey socks 0.6 m length 5 meter,
Line	Drogue centered at 15m
<b>Battery &amp; autonomy</b>	
Technology	Alkaline
Capacity	72 Ah
Autonomy	According parameters setting > 1,5 year
<b>Environmental features</b>	
Operating temperature	-20°C to +50°C
Storage temperature	-10°C to +25°C for optimum battery shelf life
Water tightness	10 dbars

Based on our WiSens technology



Drifting Buoys



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