

PRELIMINARY

SC40 - SVP BSC

Sea surface temperature, conductivity and salinity measurement

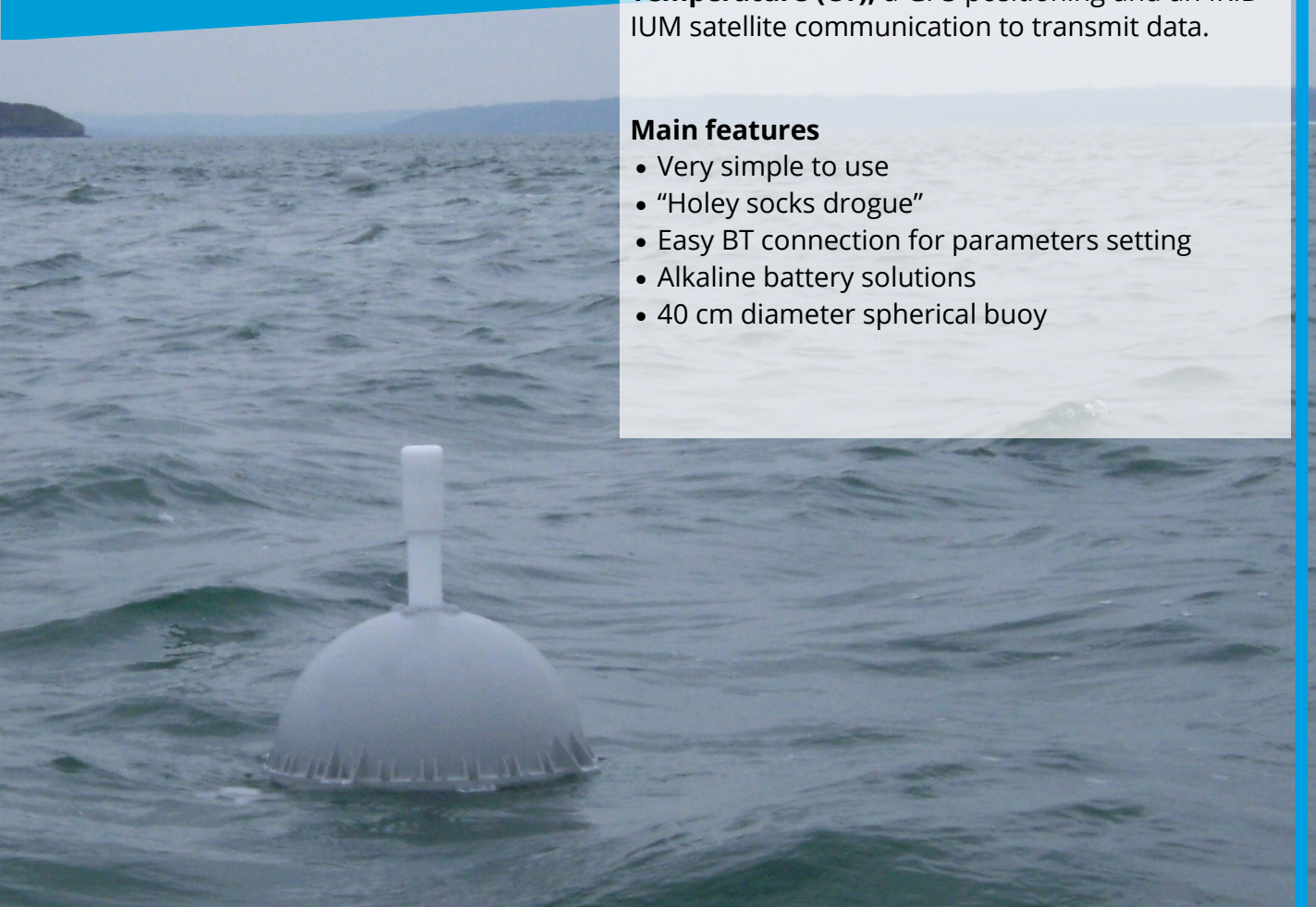
The **SC 40** buoy is a drifting buoy fitted with a GPS receiver, a Sea Surface Temperature sensor (SST), a Barometric Pressure sensor, a Drogue presence sensor, a **Probe sensor Conductivity/Temperature (CT)**, a GPS positioning and an IRIDIUM satellite communication to transmit data.

Main features

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



Drifting Buoys



This product was developed with support from the H2020 AtlantOS project, a project which received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 633211.

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

PRELIMINARY



Drifting Buoys

Model	SC40 I-SVP BSC
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
Temperature Sensor	
Accuracy / Resolution	+/-0.005°C / 0.001°C
Range	-2°C +35°C
Temperature sensor position	-15 cm
Conductivity Sensor	
Accuracy / Resolution	0.04 mS/cm / 0.004 mS/cm
Range	0 to 30dBar
Salinity (deducted)	
Accuracy	0.05 PSU
Drogue indicator	Gauge sensor
Drogue	In compliance with DBCP drag ratio >40
Drogue (option)	Holey socks 0.6 m length 5 meter,
Line (option)	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

Based on our WiSens technology



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