



# SWALE OCEANOGRAPHIC

## Unmanned Surface Vehicles - USV



### SL / SS20 – Small Survey / Sampling Boat

The Sx20 is the smallest in the range of autonomous boats from OceanAlpha. Made from strong but light-weight carbon-fibre composite, it is designed for single handed use (primarily in inland waters) and weighs only 17kg. It can even fit into the boot of a small car for easy transportation. An ADCP or Echo Sounder may be fitted to the SL20 for conducting river discharge measurements and bathymetric surveys or the SS20 has a water bottle and snorkel which may be lowered at predetermined locations. Propulsion is by means of two electric thrusters so it can operate in shallow water and weed without impediment.

#### Specs

Length:	1.05 m
Beam:	0.6 m
Draught:	0.15 m
Dry Weight:	17 Kg
Maximum speed:	10 knots
Endurance:	6hrs @ 3 knots
Payload:	10Kg



#### Features

- Autonomous navigation by GPS waypoints or manual remote control
- Real time data
- Remote control single point water sampling
- Robust carbon fibre hull



#### Applications

- Bathymetric survey
- Hazard location
- Hydrographic mapping
- Water discharge measurement



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