

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.

Specifications

Length:	1.05 m
Beam:	0.6 m
Draught:	0.15 m
Dry Weight:	17 Kg
Maximum speed:	10 knots
Endurance:	6hrs @ 1.5 knots
Payload:	10Kg (water sampling: 1x 10 litres or 3 x 1.8 litres)



Features

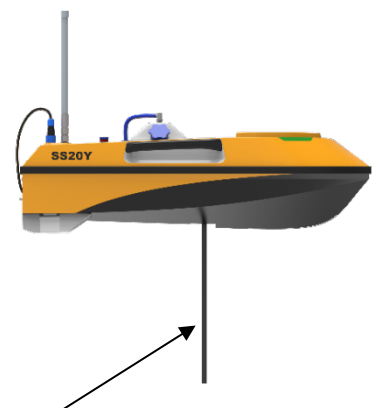
- Autonomous navigation by GPS waypoints or manual remote control
- Real time data
- Remote control single point water sampling
- Robust carbon fibre hull

Applications

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



ADCP for SL20 Surveyor



Snorkel for SS20 Sampler

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