

Geodrone 1300

Portable Unmanned Surface Vehicle



GEODRONE 1300

Our Geodrone 1300 is an ASV designed specifically for exploring hard-to-reach areas in shallow water, with depths up to 10 cm. It comes with a convenient backpack, ensuring easy access to even the most inaccessible locations.

Unmatched Sensor Compatibility: The ASV can accommodate a wide range of sensors, including single-beam, sonar, and physico-chemical probes.

Dependable Stability: Our Geodrone 1300 can operate in various environmental conditions, ensuring consistent performance regardless of the challenges it encounters.

Seamless Connectivity: Enabling real-time communication between the operator and the marine drone. Through an interactive map interface, the operator can efficiently oversee the drone's progress as it follows pre-programmed mission plans. This streamlined connectivity significantly reduces the time required for survey missions, enhancing overall efficiency.

User-Friendly and safe: Designed with affordability and ease of deployment in mind, the Geodrone 1300 offers a cost-effective solution that prioritizes operator safety.

TECHNICAL SPECIFICATIONS

Dimensions

Length:	1,30 m
Width:	0,66 m
Air draft:	0,30 m
Draught:	0,15 m
Weight:	19 kg
Payload:	6 kg
Moonpool:	250x200 mm

Performance

Speed (max):	2,3 m/s
Speed (survey):	1,3 m/s
Propulsion:	2 brushless motors

Power system

Battery:	1,2 kWh ion-lithium battery
Endurance:	3 hours at 1.2 m/s
Charging time:	1 hour
Survey Power:	312 Wh

Communications

Radio RC (remote control):	800m range 5 GHz
Autopilot:	Mission planning, automatic waypoint navigation, real time feedback
Telemetry:	Tri-band telemetry 2,4/5 GHz / LTE

IT options

Rugged PC:	NUC computer
Navigation software:	ARDU pilot
Survey Software:	Navaq & Quinsy

Storage and transport options

Launch and recovery system:	Back pack
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Positioning Equipment

GNSS receiver L1/L2 and compass:	RTK, L1/L2 frequency multi-constellation, 0.2° Heading NTRIP modem in option IMU in option
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Configurable Payload

(can be installed on demand)	Singlebeam sonar, CTD, SVS, Environmental sensors
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