

SEAEXPLORER SHALLOW GLIDER

Endurance and reliability in Coastal Exploration

Engineered for **nearshore** environments, the SeaExplorer Shallow navigates in shallow waters with efficiency and stability.

Equipped with advanced sensors, it autonomously collects essential **coastal data** on chemical and physical phenomena, as well as marine life.

Integrated into the SeaExplorer ecosystem, the SeaExplorer Shallow is **compatible** with it (payload, wings, propeller, piloting). Effortlessly works with data processing and monitoring software called **GLIMPSE**.



Ideal for coastal research, environmental monitoring, and defense applications, this glider redefines the landscape of exploration technology.

Experience the future of coastal exploration with the ALSEAMAR **SeaExplorer Shallow** Glider.

EFFICIENCY AND ADAPTABILITY

Depth	20 m to 200 m	
Ballast Volume	1,600 cc	
Speed	1 kt	
Battery	Rechargeable Li-ion	
Options and extensions	Double battery / Propeller / Backseat	
	Single battery option	Double battery option
Maximized endurance at 200m depth	75 days and 1,350 km	135 days and 2,500 km
Maximum gradient of density for navigation	20-24 $\Delta\sigma$	15-17 $\Delta\sigma$

* Configuration: Legato + CODA (CTD + DO) - Range and Endurance depend on sensors, sampling strategy and mission environment

ROBUST AND EASY TO OPERATE

Wingspan	650 mm	
	Single battery option	Double battery option
Body Size	2.200 mm (no antenna) x Ø 230 mm	2.800 mm (no antenna) x Ø 230 mm
Weight	65 kg	90 kg

ADDITIONAL FEATURES DESIGNED FOR A RANGE OF OCEANOGRAPHIC APPLICATIONS

Communications	GPS / Satellite (Iridium) / Radio - Triple antenna
Navigation Modes	Survey / Virtual mooring / Drifting / Bottoming
Safety	Autonomous drop-weight & Strobe light Optional: Locator Pinger (ULB) and/or Argos
Architecture	2 independent CPUs (Linux) for Payload & Navigation



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