

Autonomous Underwater Vehicle

ARGEO HUGIN AUV H1000



High-capability AUV with complimentary abilities

HUGIN® is the most successful commercial AUV available. It is the most capable AUV combining IHO quality positioning with the highest resolution sensors on the market. HUGIN® collects data from many different sensors concurrently, providing a complete data product from a single mission. HUGIN® can operate autonomously or under supervision, meaning operators can monitor its progress and receive real-time samples of the sensor data for quality control purposes.

Key features

- Depth rated to 1,000m
- Up to 18 hours battery capacity
- Wide range of available sensor integrations
- Custom sensor integration possible
- Navigation sensors and acoustic aiding

Key benefits

- Great maneuverability and stability
- Visual, bathymetric and sonar survey data

Safety and communication sensors

Collision avoidance sonar	Imagenex Sonar
Acoustic communication	Kongsberg ADL/ACL
Acoustic Emergency Link	HiPAP USBL
Emergency release	Kongsberg dropweight and air bladder
Surface communication	RF, Iridium, and WLAN

Navigation and environmental sensors

INS	Honeywell HG9900
DVL	RDI Workhouse Navigator (300 kHz w/ADCP)
Compass	Leica DMC
Altimeter	Kongsberg Mesotech 675 kHz
CTD	SAIV SD208
USBL	HiPAP Transponder
Depth sensor	DigiQuartz 8CB4000
GPS Receiver	Novatel
Environmental sensors	Wetlabs FLNTU Turbidity, Franatech METS (methane)

Payload sensors

Multibeam	Kongsberg EM2040 200-400 kHz
Sub-Bottom Profiler	EdgeTech 2205 DW216
Synthetic Aperture Sonar	HISAS 1030
Camera and Laser	TileCam BW HD + LED

Depth rating, speed and power

Depth Rating	1000 m
Speed	2-6 knots
Typical Speed	3-4 knots



Weight and dimensions

Length	5.27 m
Weight	850 kg
Diameter:	0,75 m

Required utilities

Power requirement	360-440VAC / 3 phase / 32A
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Container information

Vehicle container	Standard 20ft ISO container
Spares container	Standard 20ft ISO container
Operations container	10ft ISO container

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