

Proteus500 ROV

Marine Inspection, Exploration and Recovery Tool



Proteus500 ROV

For over four decades, Hydroacoustics Inc. (HAI) has been recognized as a leader in underwater marine technology. Since 1974, our HLF (Hydroacoustic Low Frequency) Acoustic Sources can be found on U.S. Navy submarines.

The Proteus Series of underwater remotely operated vehicles (ROVs) represents the latest technology in the areas of underwater exploration, marine inspection and observation, and search, rescue and recovery, as well as aiding in the protection of underwater environments through underwater observation.

Benefits:

- ▶ Battery operated for portability
- ▶ Smallest tether ROV on the market today for best control
- ▶ Custom built to meet your specific needs
- ▶ Enhances your operational effectiveness, saving time and money
- ▶ Adds a level of safety to your dive team operations

The **Proteus500 ROV** is ideal for small boat and platform operations, where a single operator or quick launch is required. This battery-powered underwater remote operated vehicle means you won't need to drag external power with your ROV or heavy tether reels to remote spots. You can bring the **Proteus500 ROV** onsite, and it will be in the water and running within a few short minutes.

The open architecture design enables you to define your ROV capabilities by adding only those options that your mission requires. Our Proteus ROVs come with a 3.5mm tether that is stronger than those that are multiple times larger, and are built to be the most stable ROV platforms available, giving you the ability to take the highest quality videos for your mission.

All ROV controls are managed utilizing your laptop, including the graphical user interface, which provides a unique, intuitive control panel screen. This screen includes the Proteus Series ROV operational status, video, and sensor data, as well as joystick control configuration. Some available ROV accessories are: sonar, additional cameras, manipulator arm, GPS, bathymetry, water tester, radiation detection, thickness gauge, CP Probe, video enhancement and more. **How would you like your ROV customized?**

If ROV safety, lower total system weight, performance, and affordability are important to you, call us today and let us build an ROV just for you. Our ROV is backed by the best warranty in the industry.



Proteus500 ROV Base System

VEHICLE	
Size:	28 in L x 16 in W x 13 in H (71 cm L x 41 cm W x 33 cm H)
Weight in Air:	~70 lbs (20 kgs)
Depth Rating:	500 ft (152 m)
Rechargeable Batteries:	6-8 hours nominal run time on each set of batteries, two (2) sets included and two (2) rechargers

THRUSTERS	
Configuration:	Two (2) forward, one (1) vertical, one (1) horizontal
Thrust:	13 lbs forward thrust
Operating Speed:	Forward speed 1.6 knots

CAMERA	
Includes:	Choice of one (1) tilting video camera
Specifications:	170 degrees of tilt - 8/W .0003 Lux 420 lines of resolution - Color .5 Lux 525 lines of resolution NTSC video format
Optional:	Up to three (3) additional fixed cameras

LIGHTS	
Includes:	Two (2) ultra bright, energy efficient LED lights 309 lumens each, 9 watts
Optional:	Proteus500 will accept up to two (2) additional lights

TETHER	
Includes:	One (1) 500 ft (152 m) standard 3.5 mm diameter negative buoyant Dry weight 500 ft 4.1 lbs (1.86 kg) Working strength 200 lbs, breaking strength 1000 lbs
Optional:	5 mm diameter neutrally buoyant Dry weight 500 ft 6.6 lbs (3.0 kg) Working strength 200 lbs, breaking strength 1000 lbs

TETHER DEPLOYMENT	
Optional:	Includes tether, reel and optical slip ring, housed within a rugged waterproof box. Holds up to 1,500 ft of 3.5 mm tether.

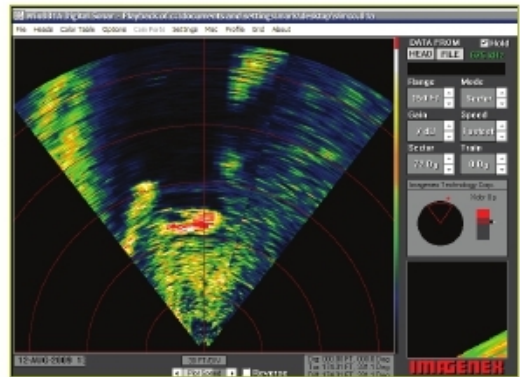
CONTROL SYSTEM	
Includes:	ROV control software for your PC Operations manual Joystick hand controller Graphical user interface
Onboard Sensors:	Time, date, depth, pressure, temperature, compass heading

WARRANTY

2-year Limited Warranty



Proteus Vehicle



Digital Sonar



Control Panel



Tether Management System



Fixed Camera



LED Lights



Manipulator Arm



Sonar

