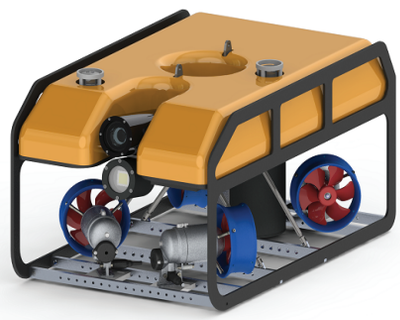
SHARK G1R ROV

OVERVIEW



- Simple, intelligent & robust electronics
- Latest technology and Cutting edge software
- Comprehensive stock of spares, minimal lead time
- Field proven core
- Compact footprint, rapid mobilisation
- High power to size ratio
- Robust control system
- Highly Flexible

MECHANICAL

Length	950mm
Width	590mm
Height	470mm
Weight	59kg
Payload (weight in water)	10kg Standard (up to 14kg optional)
Depth Rating	300m, (other options)
Material	Body: PP, anodized 6082-T6 Aluminium
	Electric bottles: Anodized 6082-T6 Aluminium
	Deployment: Live boat, Lock latch optional

PERFORMANCE

Forward Speed	3.5 knots
Forward Thrust	53kg
Backward Thrust	53kg
Vertical Thrust	26kg

NAVIGATION

Pitch/roll compensated high accuracy flux gate with ±1 degree accuracy

Optional pitch/roll output

Top quality compact depth sensor

12bits ADC and high speed data processor

TOOLING

The ROV can be equipped with many sensors like Sonar, CTD, CP, Bathy & Altimeter, Profilers, FMD

It can be equipped with tooling such as 4 functions manipulator and cleaning brush using tooling skid

MAIN CONTROL SYSTEM

- The G1R is based on RS485 multi drop points, each part of the ROV has its own dedicated processor and address with the HCU manipulating the data flow. This method minimizes firmware problems and maximizes the speed.
- Very simple electronics

ELECTRICAL REQUIRMENTS

Power Required: 380-475VAC 3ph 50/60HZ 12kVA

TILT PLATFORM

- ±90 degrees closed loop tilt unit accepts two cameras and a light with accurate angle position of ±1 degree accuracy.

VIDEO / LIGHTS

- 2 channels over twisted pair, FO optional, HD optional
- PAL/NTSC optional
- Overlay: date, time, depth, heading, tilt angle
- Up to 3 LED light modules with 5000Lm light intensity each, dimmable through RS485 bus.

PROPULSION

Powered by 5 x SPE-75 reliable thrusters, 4 lateral and 1 vertical each incorporating unique Statorshield™ Technology allowing the thruster to continue running even in case of shaft seal failure.