

Key Features:

- 300m depth-rated vehicle
- Cable reel and 10m deck lead
- Ruggedised hand controller
- 300m umbilical (up to 450m)
- Ruggedised topside and power supply
- SeeByte's SeeTrack CoPilot
- Portable system
- Sophisticated diagnostics
- High performance and reliability
- Forward thrust 45Kg

System Options:

- Ruggedised peli cases
- SeeByte SeeTrack CoPilot
- Teledyne BlueView M900 / P900 2D Multibeam sonar
- Teledyne RDI 600 kHz Explorer DVL
- Tritech altimeter
- Tritech Super SeaPrince / SeaKing sonar
- ROV Tooling skid
- V-Jaw grabbing arm
- Comprehensive spares kit

Applications:

- Inspection
- Research
- Survey
- Military
- Search & recovery
- Underwater videography

Predator II ROV

300m Rated Inspection-Class ROV

The Predator, a 300m depth-rated inspection class ROV has been developed to meet the demanding markets for rugged and reliable underwater viewing systems.

The ROV uses the latest technology for maximum operating efficiency in marine operations. Reliability has always been foremost in the development of the ROV package and with the inclusion of a network control system and a comprehensive diagnostics system, the functional design will assure continuous performance in all operations.

Added to this efficient control system, all vehicle functions are monitored by high capability diagnostic electronics - diagnostics generally found in more costly work-class ROVs, which will identify fault sectors that may be problematic, without loss of control to the ROV.



Predator II ROV

300m Rated Inspection-Class ROV

seatronics

Specifications			
VEHICLE		Thrust backward	25Kg
Type	Inspection-Class	Thrust lateral	35Kg
Length	950mm	Thrust vertical	10Kg
Width	630mm	ENVIRONMENTAL	
Height	600mm	Max. depth rating	300m
Weight in air	80Kg	Min. operating temperature	0°C
Max payload	10Kg	Max. operating temperature	45°C
Vehicle power	400VDC	OPERATION	
Type of power	Electric	Buoyancy	Neutral
Power of vehicle system	3120W	Automatic depth control	Y
SURFACE DISPLAY CONSOLE (SDC)		Automatic heading control	Y
Length	800mm	Auto pilot	SeeByte's SeeTrack CoPilot (Optional)
Width	600mm	Dynamic positioning	SeeByte's SeeTrack CoPilot (Optional)
Height	400mm	LIGHTS AND CAMERAS	
Weight in air	35Kg	Number of lights	2
Min. AC input voltage	200V	Type of lights	LED dimmable
Max. AC input voltage	240V	Number of cameras	1
SURFACE POWER CONSOLE (SPC)		Type of cameras	Low light, fixed focus, wide angle colour / monochrome
Length	800mm	Camera resolution	650 Colour / 700 B/W
Width	600mm	Camera sensitivity	0.1 Colour / 0.01 B/W
Height	400mm	Max. camera tilt angle	180°
Weight in air	30Kg	SENSORS	
Min. AC input voltage	200V	Pitch and roll	Y
Max. AC input voltage	240V	Max. pitch and roll angle	Pitch +/- 90°, Roll +/- 180°
Input power	3500W	Pitch and roll resolution	0.05
TETHER		Heading resolution	0.05
Type of Tether	Neutrally buoyant, Aramid armoured	INTERFACES AND PROTOCOLS	
Standard length	300m	For sensors	RS485 / RS232 / Ethernet 422
Max. length	450m	Interfaces with standard bottles	RS485
Diameter	16mm	CONTROLS AND INDICATORS	
SPEED AND THRUST		Type of monitor	HD full sunlight viewable 19"
Max. forward	4.05kts	Audio overlay	Y
Max. lateral	2.0kts	Video overlay	Y
Max. up	0.5kts	Scanning sonar option	Y
Max. down	1.0kts	Optional manipulators	Y
Number of forward thrusters	4	Tooling capabilities	Y
Type of forward thrusters	DC Brushless, direct drive. 45°	Available tooling packages	Single function grabber, interchangeable heads, wire brush, cleaning disc, soft line cutter
Number of vertical thrusters	1		
Type of vertical thrusters	DC Brushless, direct drive		
Thrust forward	45Kg		