



Panther Plus

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System configuration

- Survey
- Inspection
- Construction
- TMS
- LARS



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The Panther Plus serie is a development of the highly successful Panther serie. Panther Plus ROVs have more power, higher payload and dual manipulator capability constituting a true work-class ROV.

Operationally, the Panther Plus is simpler to operate and easy to maintain. The Panther Plus has 8 horizontal thrusters giving a forward thrust of 220kg.

Vehicle dimension & weight

Length	1750 mm
Width	1060 mm
Height	1220 mm
Launch weight	500 kg
Max speed	3,5 knots
Payload	105 kg
Forward thrust	220 kgf
Vertical thrust	75kgf
Max depth rating	1500m

TMS Tether Management system

SEAEYE TMS Type 8	
Construction :	Stainless 316 steel
Tether capacity :	200m of 20,6mm

TMS 8 Dimensions

Length	1792 mm
Width	1491 mm
Height	2100 mm
Total weight in air	1400 kg

LARS Launch and Recovery System

Deployment	'A' Frame
Length	5400 mm
Width	2800 mm
Height	2900 mm
Weight	10000 kg 8000 kg

Winch/Power Pack dimensions

Length	2400 mm
Width	2400 mm
Height	2200 mm
Weight	7500 kg
Cable capacity	1100 m

Combined control Cabin/Workshop

Control cabin & workshop are fitted in a unique 20 ft container	
Length	6000 mm
Width	2450 mm
Height	2500 mm
Weight	12000 kg

Power requirements

ROV & Control Container	
380-480 VAC 50/60 Hz 30KVA	
LARS	
HPU 40Kw	
440 VAC 3 phases	

Service team

Typical ROV team based on 12 hours/day operations	
> 2x Pilot / Technicians	
> 1x Supervisor	

Standard equipment

Cameras	3 x Colour CCD Camera
	1 x Black & White Low Light Camera (optional up to 4 cameras including zoom)
Pan & Tilt	Electrical Tilt Unit, ± 90 deg Pan Unit ±135deg (both with positional feedback displayed on overlay)
Lighting	4 x 150w each quartz-halogen on tilt unit (Optional up to 6)
Sonar	Kongsberg Mesotech MS1000
Compass	Flux-gate unit with solid-state rate stabilization sensor Accuracy ± 1°, Resolution 0.35°
Depth Gauge	Electronic pressure sensor Accuracy ± 0.1%
Auto Pilot	Auto Depth and Auto Heading
Video System	Two dual fibre-optic transmitters
Hydraulics	2.5 kw hydraulic motor & pump for tooling and Manips.
Valve Pack	12-Function hydraulic valve pack
Manipulators	1 x 7 function manipulator 1 x 5 function grabber with electro-hydraulic power pack
Data lines	4xRS485 1x Ethernet 10/100

Options

<ul style="list-style-type: none"> • Drill Support <ul style="list-style-type: none"> - Various Gasket replacement tools - Guide Post replacement tool - 1"-1.5" Hydraulic Anvil Wire Cutter - Brush Cleaning Tool - API 17D Hydraulic Torque 	<ul style="list-style-type: none"> tools - Single Point TDU and API 17H Torque Tool suite • Pipeline Survey <ul style="list-style-type: none"> - Pipeline Survey skid c/w retractable booms, fitted with Cameras & lights on pan units (Booms can also be mounted directly 	<ul style="list-style-type: none"> to the ROV) - Pipetracker (TSS440) - Profilers - Bathymetric Units - Specialist CP survey - Survey Gyros etc. • Platform Inspection <ul style="list-style-type: none"> - Cleaning tools - powered brush, 	<ul style="list-style-type: none"> ROV mounted or surface supplied, grit entrainment etc. - Manipulator mounted FMD inspection etc. - UT Wall thickness measurement & mapping tools
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