



FUGRO SEAEYE PANTHER XT

The Panther XT is a development of the highly successful Panther and Panther Plus ROVs. The adaptable Panther XT is designed as the new benchmark for electric work ROVs and challenges heavier hydraulic vehicles, where deck space is at a premium.

With fibre optic video & data multiplexer incorporated to enhance deep water operations, the vehicle's power has been increased through the doubling the supplied voltage to 500 volts. This improves handling and enables the vehicle to accommodate a wider range of heavier tooling for work tasks including drill support, pipeline survey and IRM to water depths of 1500 m.

The Fugro Subsea Services Panther XT ROV is deployed in garage Tether Management System (TMS) A skid mounted 'A' frame, hydraulic power unit (HPU) and a winch with a steel wire armoured lift umbilical which is the most

common Launch and Recovery System (LARS) provided with the Panther-XT.

The Panther XT deck equipment is both much smaller and lighter than a conventional hydraulic work-class ROV, with reduced footprint and power requirements and thus mobilisation is fast.



The ROV frame is made from extremely rugged polypropylene chassis with a stainless steel lift frame.



The 2 electronics pods provide most of the Panther XT buoyancy. Additional buoyancy is provided by shaped syntactic foam blocks.



SEAEYE PANTHER XT

Technical Specifications

Vehicle Dimensions

Length	1.75m
Height	1.22m
Width	1.06m
Weight	500kg
Depth	1500msw
Payload	110kg

Power

Propulsion	16Kva
Tooling	11Kva

Performance

Fore/aft	180kg
Lateral	125kg
Vertical	110kg

Speed

Fore/aft	3.0 knots
Lateral	2.8 knots

Thrusters

Seaeye SM7 500 brushless DC Motors - 4 x Vectored horizontal, - 2 x Vertical

Manipulators

1x 6 function HD6R with HD2040 12" grabber
1x 5 function HD5, 6" jaws, 360° rotator (36Nm)

Pan & Tilt

Electrical Tilt Unit, ± 90 deg
Pan Unit ±135deg
both units with positional feedback displayed on overlay.

Cameras

1 x Colour CCD Camera
1 x Low Light, Black & White Camera
(optional – up to 4 video channels including zoom)

Sensors

Heading – gyro compass
Pitch and roll, Depth, Altimeter, Sonar

Lights

System capacity up to 6
Standard capability 4 x 150W

Telemetry

Fibre optic multiplexer 4 x RS232, 2 xx RS485 10/100 Ethernet (optional).

Auto Functions

Auto depth control
Auto altitude control
Auto heading control

Tooling Skids/Packages

Survey Skid: Comprising camera booms, 5F manipulator for CP or cleaning brush.
Drill Support Package: Anvil Cable cutter, ax ring tool and water jet tool. Torque tool, Single point TDU

Surface control system

Microprocessor
Operating system

Power Requirements

Launch and recovery System	37Kw / 440VAC / 50-60Hz, fed from a motor rated breaker
Control Van	50Kw / 440VAC / 50-60Hz, fed from a motor rated breaker

TMS

TMS Type	8
Length	1.792m
Width	1.491m
Height	2.48m
Tether Length	200m (up to 250m)
Weight	0.95T (excluding ROV)

Main Components

Remotely Operated vehicle (ROV)
Tether Management System (TMS)
20ft Control Container / workshop (combined) or 15ft Control Container and 10ft Workshop.
Integrated LARS: A-Frame incorporating winch and HPU.
Typical Integrated A-Frame LARS: 5.3m x 2.75m x 3.2m (L x W x H) @ 19Te
Suitable for use in a Hazardous Environment (Zone 2).

Fugro Subsea Services Limited

Fugro House,
Denmore Road, Bridge of Don
Aberdeen, AB23 8JW
United Kingdom
T +44 (0) 1224 257600
info@fugrosubsea.co.uk
www.fugro.com

