

TRITON XLX



GSP ROV - Triton XLX

ROV & SAT •



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GRUP SERVICII PETROLIERE
member of UPETROM GROUP



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TECHNICAL DATA

HEAVY DUTY WORK CLASS ROV, 3,000 M, 150 HP

- Depth Rating: 3,050 MSW (10,500 fsw)
- Power: 150 HP
- Through Frame Lift: 3,000 kg

- Control System: ICE™ Real Time Control System with Gb Telemetry and Graphical Diagnostics Auto Control Modes Heading, Depth, Altitude and Auto Position™
- Payload Capacity: 250 kg

SPECIFICATIONS

DIMENSIONS

Length:	3,226 mm
Width:	1,803 mm
Height:	1,940 mm
Weight in Air:	5,600 kg
Payload Capacity:	250 Plus kg
Power Pack:	150 (Shaft / HP)
Thruster Horizontal:	4 x 380 mm Ø
Thruster Vertical:	4 x 300 mm Ø
Turning Rate:	40°/s
Auto Heading Control:	Automatic to ± 2.0°
Pitch and Roll Control:	± 5.0°
Depth Control Automatic to:	± 150 mm
Altitude Control Automatic to:	± 150 mm
Bollard Pull (Nominal)	
Forward:	1,100 kgf
Lateral:	1,100 kgf
Vertical:	900 kgf
Through Frame Lift:	3,000 kgf

STANDARD EQUIPMENT

- Gyro / Fluxgate Compass
- Pitch / Roll Sensor
- Digiquartz Depth
- Doppler Velocity Log-ROV DP
- Auto Functions (Heading / Depth / Altitude / Position)
- 16 Station Proportional NG3 Main Manifold
- 14 Station Proportional Thrusters Manifold-6 spare functions
- 12 Station Proportional Tooling Manifold
- 500 watt lights on dimming circuits available (6)
- Circuits x / 2 x 250 watt lights per standard (6)
- Manipulator
 - Left – 5 Function – Schilling Rigmaster
 - Right – 7 Function – Schilling Titan T4
- Sonar

INTERFACES FOR

Hydraulic Interfaces
Electric Tool Interfaces

TELEMETRY

Realtime Video Channel (8)
Spare Fiber Optic Wavelengths (4 total)

Devoted Serial Channels for Gyro, Digiquartz
Standard Survey Interfaces 12 (8 x RS232 4 x RS485)

Various options up to 44 serial channels
Voltage feedback for input power and all switching controls
Current sensing on each channel
1 Gb Ethernet survey mux
Various AC and DC sensor with up to 42 power channels

POWER DISTRIBUTION

215 kVA Transformer for Vehicle Hydraulics (1)
8.5 kVA Transformer for Vehicle Electronics (1)
15 kVA Transformer for TMS-HPU (1)
2 kVA Transformer for TMS Electronics (1)
Ground Fault Detection Circuits
Deck Cable Interface
CB, OL and Current / Voltage Sensor

CONTROL SYSTEM

Utilizes the revolutionary ICE™ Integrated Control Engine
Fully redundant Windows® based HMI Computers
Dedicated real-time controllers
Intuitive Graphic User Interface (GUI)
Advanced graphical interactive diagnostics
User configurable GUI
Ergonomic pilot / co-pilot control consoles and touch screen control interfaces
4 x 40" HD Plasma video wall

SYSTEM OPTIONS

Main Umbilical – Armored
Surface Handling – 'A' Frame / Winch to Lawson Handling System
Control Cabin – Certified / Zone Rated
Control Console – Advanced Console or Integrated Chair Control, Video Wall (Four 40" LCD Monitors), Surface Communications, Manipulator Control
Tether Management System – Tophat, 350 Tether (Tophat)
Workskids – Survey & Bathymétrie suites, Suction Pile, Variable, Ballast, Jetting Module, Tool Interface Module, Telemetry



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