

TRITON XLR



GSP ROV - Triton XLR

ROV & SAT •



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GRUP SERVICII PETROLIERE
member of UPETROM GROUP



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TECHNICAL DATA

MEDIUM DUTY WORK CLASS ROV

- Depth Rating: 2,000 MSV
- Power: 125 HP
- Through Frame Lift: 2,000 kg max.
- Payload Capacity: 150 kg
- Control System: ICE™ Real Time Control System with GHz Optical Link, Ethernet Telemetry and Graphical Diagnostics
- Control Modes: Heading, Depth, Altitude and Auto Position™

SPECIFICATIONS

DIMENSIONS

| | | |
|--------------------------------|--|---------------------|
| Length: | 2,780 mm (including manipulators) | |
| Width: | 1,500 mm over buoyancy 1,570 over fenders | |
| Height: | 1,800 mm | |
| Depth Rating Options: | 2,000 m | |
| Weight in Air: | 2,850 – 3,450 kg depending on options | |
| Payload Capacity: | 150 kg | |
| Through Frame Lift: | 2,000 kgf | |
| Aft Load Capacity: | 600 kg | |
| Power Pack Options: | 125 HP (shaft) | |
| Turning Rate: | 40°/s | |
| Thruster Horizontal: | 4 x 380 mm Ø | |
| Thruster Vertical: | 2 x 380 mm Ø with 1 x 380 mm Ø pitch thruster option | |
| Auto Heading Control: | ± 2.0° | |
| Auto Pitch and Roll Control: | ± 5.0° | |
| Auto Depth Control: | ± 150 mm | |
| Auto Altitude Control: | ± 150 mm | |
| Bollard Pull (Nominal) | 60 Hz supply | 50 Hz supply |
| Forward: | 850 kgf | 740 kgf |
| Lateral: | 850 kgf | 740 kgf |
| Vertical: | 565 / 850 kgf | 500 / 745 kgf |
| Surface Speed (Nominal) | 60 Hz supply | 50 Hz supply |
| Forward: | 3.7 knots | 3.5 knots |
| Lateral: | 3.2 knots | 3.0 knots |
| Vertical: | 2.8 / 3.5 knots | 2.6 / 3.3 knots |

STANDARD EQUIPMENT

- Near SIT (1), Colour Zoom (1), Fixed B / W (1) Cameras
- Tritech Intelligent Gyro Compass incl. Pitch & Roll Sensing
- Digiquartz Depth Sensor
- Auto Functions (Heading, Depth, Altitude)
- 6 x 250 W AC Light (Dimmable in Pairs)
- Electric Pan & Tilt Unit
- 12 Station Main Manifold, 15 lpm DCV or 8 lpm Proportional DCV
- 2 off Thruster Manifolds, each with 4 off bi-directional 160 lpm Proportional PRV
- Piloted Hi-Flow Tooling Manifold, 2 off 80 lpm tooling outlets
- Right Manipulator – 7 Function – Schilling T4
- Left Manipulator – 5 Function – Schilling Rigmaster

TELEMETRY

Standard Realtime Composite Video Channels (4)
Spare Fibre (1) & CWDM Channels (6) in PV
Total Channels: Serial (18), Switched Power (16)

Dedicated Serial & Power Channels for Gyro, Digiquartz, Altimeter / DVL, Sonar, Manip, Responder Trigger, Manifolds
Spare Serial Channels (7) (RS232 / RS485)
Spare Switched DC Power Channels (4)
Spare Switched AC Power Channels (3)
Current Sensing & Protection on each Channel
PV Audio Channel & Microphone

POWER DISTRIBUTION

150 kVA Transformer for Vehicle Hydraulics (1)
4 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, O / L 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 combining touch screen and physical switch control interfaces
Video Wall (4 x 40" HD Plasma Monitors)

SYSTEM OPTIONS

12 / 16 Station Proportional Auxiliary Manifold
Auxiliary Hydraulic System, 70 lpm @ 210 bar
Additional Electric P & T / Alternative Hydraulic P&T Unit / s
Auxiliary JB with RT Video (+4) & Serial (+14) Channels
Multibeam sonar, HD Video & Survey Ethernet Channels
Additional / Alternative Cameras: SIT Equivalent, etc.
Additional / Alternative Lights: HID, HMI, LED, etc.
ROV Auto & Dynamic Positioning inc. DVL
North Seeking Gyro

Main Umbilical – Armoured

Surface Handling – 'A' Frame

Control Console – Advanced Console, Video Wall (4 x 40" HD LCD / Plasma Monitors), Surface Communications, Manipulator Control Options

Tether Management System – Tophat, 440 m tether



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