

▶ CS150 ▪ HD ROV

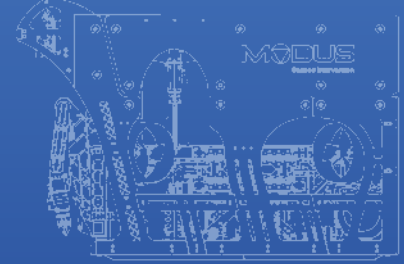
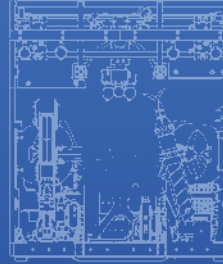
Technical Specification

The Modus 150HP HD ROV is designed for performance, reliability and maintainability. Innovative features in the frame design and modular sub-systems combine to produce a high performance vehicle suitable for IRM, drill support, and heavy-duty construction operations, while maintaining a compact system footprint ideal for rapid transportation and mobilization.



CS - 150HD ROV

Technical Specification



Vehicle

Configuration	TMS Control/Interface/w 425m tether
Total Power	150HP
Operating Depth	3000MSW
Dimensions (LXWXH)	2.9m x 1.7m x 1.9m
Weight in Air	3,700kg
Weight in Sea Water	Neutral
Payload	250kg

Propulsion/Bollard Pull

Propulsion System	4 x Sub-Atlantic SA380 (380mm) Horizontal vectored thrusters (45°)
	3 x Sub-Atlantic SA380 (380mm) Vertical hydraulic thrusters (2 fwd/1 aft)
Fwd/Aft	3.15 knots @ 900kgf
Lateral	2.30 knots @ 900kgf
Vertical up/down	2.43 knots @ 850kgf

Surveillance/ Auxiliary Equipment

Cameras	Color Focus & Zoom Camera (Pegasus, Insite Pacific) Low Light Monochrome Camera (Mercury, InsitePacific) Mini Color Camera (Aurora, Insite Pacific) TITAN 4 Wrist Camera (Schilling)
Lights	4 x 120 VAC LED Lights (MV-LED, ROS) 2 x 120 VAC LED Flood Lights (Q-LED III, ROS) 4 x 120 VAC LED Flood Lights (LIGHTING, ROS)
Sensors	Fiber Optic Gyro (TOGS, CDL) Depth Sensor (Digiquartz Series 8000, Paroscientific) Sonar System (Super SeaKing DST, Tritech International) Xenon Flasher (ST-400AR, Novatech)

Auto Functions

Heading	(± 2°, 360° Range)
Pitch	(± 2°, +12°/-5° Range)
Roll	(± 2°, ± 6° Range)
Depth	[±15 cm (6.0 in)]
Altitude	[±15 cm (6.0 in)]
StationKeep	(ROV DP) [10 cm (3.9 in)]

Tooling

Auxiliary Pump Module (Tooling)	36HP (37kW)
Auxiliary Tooling Flow	72lpm @ 207 Bar
Manipulators	7 Function Schilling TITAN 4 5 Function Schilling RigMaster

LARS

Umbilical Winch	9.7Te
Winch Speed	36m/min (118fpm)
'A' Frame	9.7Te Telescopic
Max Outreach	4035mm
Telescoping Extension	1200mm



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Seabed Intervention