

▶ CS150 - Construction Support ROV

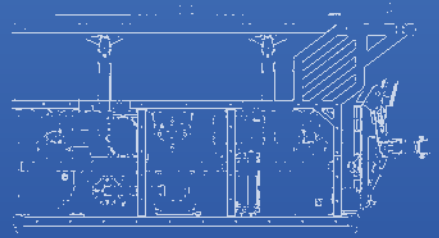
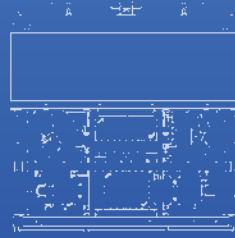
Technical Specification

The Modus CS150 ROV range are the latest generation in 150HP work class ROVs designed for precision subsea intervention, survey and heavy duty application. Rated to 3000m water depth, the CS ROVs offer leading edge construction support technology.



CS150 - Construction Support ROV

Technical Specification



Vehicle

Configuration	TMS Control/Interface c/w 400m tether
Total Power	150HP
Operating Depth	3000MSW
Dimensions	
Length	<3450mm
Width	<2000mm
Height	<2000mm
Weight in Air	4000kg (excluding payload)
Weight in Sea Water	Neutral
Payload	350kg

Propulsion

Propulsion System	4x Curvetech HTE380BA-45 (380mm) Horizontal vectored thrusters 4x Curvetech HTE300BA-32 (300mm) Vertical hydraulic thrusters
Fwd/Aft	3.2 knots
Lateral	3.0 knots
Vertical up/down	2.0 knots

Bollard Pull

Forward	800kgf
Lateral	800kgf
Vertical	700kgf
Auto Functions	Heading Depth Altitude ROV DP

Tooling

Isolated Tooling Power	58HP (43kW)
Manipulators	7 Function Schilling T4 5 Function Schilling Rigmaster

Surveillance

Fitted	Kongsberg Near SIT OE15-100 Kongsberg Colour Zoom OE14-366 Kongsberg Colour Fixed OE14-376 Kongsberg B/W OE15-108
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Surveillance cont.

Lighting	8 x DSPL Sealite 250W lamps 2 x DSPL Sea Arc 5000 HID lamps
Sensors	Kongsberg Sonar MS1000 Kongsberg Altimeter MS1007 Digiquartz Depth Sensor Tritech IGC Gyro Compass RDI Workhorse Navigator DVL Xenon Strobe Emergency Pinger Nautronix Kongsberg MST Responder

LARS

Umbilical Winch	12Te
Winch Capacity	3500m of 35mm Umbilical
Umbilical Fitted	3300m of 35mm
Winch Speed	45m/min
'A' Frame	12Te Telescopic
Max Deployed Reach	5400mm From Main Pivot
Max Inboard Reach	4500mm From Main Pivot
Telescopic Extension	2900mm
Classification	CEEx II 3G E Ex IIB T3 (Zonell) T(amb) -10 to 45°C

Control System & Power Distribution

1 x DVECS ergonomic Control Console for flat wall installation
Standard SMD DVECS ROV Control Hardware
Dual Touch Screens
8 x 19" TFT Flat panel monitors (4 x video - 4 x control diagnostics)
Incoming Power supplies 380Vac-480Vac 3Ph 60Hz supply
Vehicle Instruments Transformer
Vehicle HPU Power, Transformer
TMS Instruments Transformer
TMS HPU Power Transformer
Ground Fault Detection Circuits



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Seabed Intervention