



International
Submarine
Engineering Ltd.

HYSUB-50-3000

Remotely Operated Vehicle



ISE's HYSUB family of ROVs provide a highly flexible platform that can be tailored to meet unique mission requirements. The HYSUB-50 version exemplifies this adaptability delivering proven work horse power and reliability. These capabilities have evolved over the HYSUBs 40 year establishing ISE as a world leader in subsea robotics. The HYSUB-50 is the ideal tool for subsea intervention, maintenance and survey operations.

Have a unique and challenging application? We would love to hear about it. Contact us now to customize a vehicle to your mission.

Applications:

- Recovery & salvage
- Survey
- Inspection
- Repair
- Maintenance
- Intervention
- Science

Specifications:

Depth rating	3000 m (<i>other options available</i>)
Power pack	50 hp
Dimensions ¹	2.6 x 1.2 x 1.5 m
Weight in air ¹	2500 kg
Payload	150 kg
Through-frame lift	500 kg
Bollard pull	370 kg
Umbilical	3300 m
Hydraulic thrusters	4 vectored + 2 verticals
Control system	ISE ACE
Auto functions	Position, heading, altitude, depth, cruise, velocity

¹Final weight and dimensions dependent on options selected

Standard Equipment:

Navigation sonar	Scanning, gyro stabilized
Navigation	Fluxgate compass, digi-quartz depth sensor
Cameras	1 x HD colour zoom 1 x monochrome low light 2 x SD colour
Lights	6 x LED @ 11,000 lumens each
Pan & Tilt	Hydraulic
Manipulators	1 x Orion 7F + 1 x Titan 4
Tooling valve pack	7x4-3 proportional control valves w/ variable pressure control in real time
Tool skid interface	Quickly swap between tool skids
Beacons	RF and strobe light
Wireless belly pack	

Spare Channels:

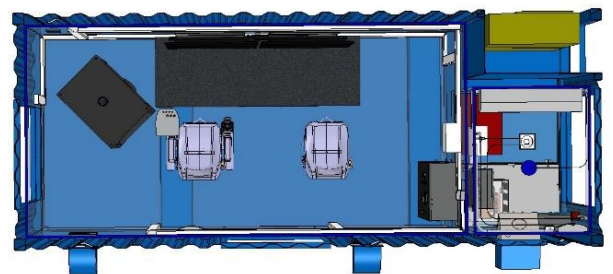
Power	24 VDC @ 150 W, 120 VAC @ 2.3 kVa, 240 VAC @ 1.2 kVa
Lights	2 x 250 W ports
Serial	5 x RS-232, 3 x RS-485/422, 2 x ETH, 2 spare fibres
Video	2 x SD channels
Additional available upon request	

Control Van:

Enclosure	20' high cube container built to DNV 2.7.1
Input power	440 VAC, 3 ϕ , 105 kVA
Weight	8500 kg
3 x A60 entry doors	
2 x MCT cable pass through units	
Climate control	2 x HVAC units
Control cabin	Pilot seat w/ integrated controls, co-pilot seat, operator's console, 19 inch control rack w/ swivelling base, 4 x 40 inch HD LED displays, 3 x 19 inch monitors, 1 x touch screen display, remote winch control, UPS, DVR, video splitter for external feeds, PDU
Power room	Separate power room with high voltage boost transformers, main disconnects and dedicated A/C unit

LARS:

SWL	15 T
HPU	250 hp
Weight – winch	22,000 kg
Weight – A frame	27,700 kg
Input power	460 VAC, 3 ϕ , 60 Hz
Remote control panel – located in control van operations console	



Optional Items:

- Tether Management System
- Hydraulic manipulators
- Cable and rope cutter
- USBL positioning system
- ISE also offers a complete line of subsea tools and samplers
- Tool skid w/ manipulator mounts and retractable basket
- Additional payloads, sensors and sonar available



TMS