



# ISE HYSUB 150 HP

## 300—6000 M Work-Class ROV

ISE's HYSUB family of ROV's provide a highly flexible platform that can be tailored to meet unique mission requirements. The HYSUB-150 version exemplifies this adaptability delivering proven work horse power and reliability. These capabilities have evolved over the HYSUBs 40 year history while incorporating ISE's experience as a world leader in sub-sea robotics. The HYSUB-150 is the ideal tool for subsea intervention, maintenance, science and survey operations .



### Standard Equipment

Scanning Sonar	Imagenex 881a
TOGS NAV	Depth, heading, speed & altitude
Cameras: Standard. Others optional.	1 x 1080P HD color zoom 1 x low light 4 x POV SD color
Lights: DeepSea Power & Light	6 x 6000 Lumens 2 x LED 18000 Lumens
Pan and Tilt	Hydraulic
Manipulators	2 x 7F
Tooling Valve Pack	7-station proportional controlled (pressure and flow)
Beacons	RF and strobe
Auto-functions	Position, heading, altitude, depth and velocity
Wireless belly-pack	

### Vehicle Specifications—3000 M

Depth Rating	3000 m
Power Pack	150 HP
Dimensions <i>(without tool skid)</i>	3.45 x 2.06 x 1.8 m
Weight in Air <i>(without tool skid)</i>	3700 kg
Payload	200 kg
Through-Frame Lift	1000 kg
Bollard Pull	1100 kg, 3.6 kt
Umbilical	Depth plus 10%
Hydraulic Thrusters	4 x 18nch Vectored Horizontal 3 x 14 inch Vertical
Control System	ISE ACE

### Spare Channels

Power	24VDC@150W, 120VAC@2.3kVa, 240VAC@1.2kVa
Lights	2 x 250W ports (@ light junction can)
Serial	5 x RS232, 3 x RS485/422, 2 x Ethernet, 2 x Spare Fibers
Video	2 x SD channels
Additional available on request	
Can accept CTD and other science sensors	

### 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 on request.