



International Submarine Engineering Ltd

Celebrating over 3 Decades of Engineering Excellence

ROV — HYSUB 5000

Length: 254 cm / 100 inches

Width: 152.4 cm / 60 inches

Height: 165.1 cm / 65 inches

Weight in air: 2086.5 kg. / 4600 lbs.
- including skid: 2199.9 kg / 4850 lb

Diving Depth: 5000 m / 16,404 ft.

Power: *Electro-hydraulic*
40 electric HP,
6 hydraulic thrusters

Payload: 36.3 kg (80 lb)

Power Requirements: 460 VAC,
3-phase, 60 Hz

Control: *ISE Advanced Telemetry*
Control System

Cameras: *Colour, B/W optional;*

Sonar: *Colour 360 degree sector*
scanning

Lights: 4 Tungsten filament 250 Watt

Manipulators: 5 function rate *Magnum*
7 function SC *Magnum*



The HYSUB 5000 is the deepest diving ROV ISE has built. So far, three systems have been delivered. They are based on the HYSUB 40 with components modified for operation to 5000m (16,400ft). The vehicle is deployed in a cage. The steel armoured umbilical contains single mode optical fibres for all video, sonar, instrumentation and data signals.

A version of the HYSUB 5000 vehicle/cage system, entitled [ROPOS](#), has been used primarily for oceanographic research. This vehicle has different configurations, depending on the task being performed. In deep water operations, the 30 HP vehicle can dive to 5000 meter (16,400 ft) depths. At depth, the vehicle operates independent of the 10 HP cage up to 300 meters of flying tether. In shallow water mode, the vehicle operates as a 40 HP vehicle, independent of the cage, down to depths of 350 meters.

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