

## CROV (WORK CLASS)

The CROV is designed for use in subsea support, IRM operations and remote intervention tasks. These include positioning subsea structure, pipelines/umbilical connections, pipeline repairs, component change-out and debris removal.

### SYSTEM FEATURES

- Water depth rating of up to 1000m
- Payload capacity of 250kg
- Certified for Zone 2 (Class 1 Division 2)
- Launch and recovery at 30kts wind/3.0m Sig. wave

### LAUNCH AND RECOVERY SYSTEM ( LARS)

Type	Hydraulically powered A-frame c/w umbilical sheave
Safe Working Load	3500kg + survey skid 350kg
Design Factor	3g
Deployed Reach	4127mm out board reach
Dimension (LxWxH)	6000mm x 3000mm x 3600mm stowed position
Max Gross SWL	28000kg

### Control & Workshop Container

Dimension (LxWxH)	6059mm x 2438mm x 2790mm
Weight	13500 kg

### Vehicle Equipment

Manipulator	1x 7 function
Grabber	1 x 5 function
Camera Pan and Tilt	1 x Hydraulic Pan & Tilt
Colour Camera	3 x ROVSCO 3000
B&W Camera	1 x ROVSCO 3000BW
Sonar	1 x Imagenex Sonar or equivalent

### VEHICLE SPECIFICATIONS

Depth Rating	1000 m seawater
Length	2890 mm
Width	1580 mm
In Air Weight	3500 kg
In seawater	Neutral
Fwd/Aft Bollard Pull	450 kgf
Lateral Bollard Pull	400 kgf
Vertical Bollard Pull	400 kgf
Fwd/Aft Surface Speed	<3.0 knots
Lateral Surface Speed	<2.5 knots
Vertical Surface Speed	2.0 knots
Spare Payload	300 kg
Through Frame Lift	350kg underslug
Propulsion	4 x 350 mm horizontal and 3 x 350 vertical hydraulic thrusters 20kW
Thruster Ctrl Manifold	1 x 8 station Servo control manifold valve 200 bar / 77 lt./min
Manipulator control manifold	2 x 10 @ 15 lt./min station bi-directional control valve manifold assembly for manipulators and toolings output
Auto functions	Heading, depth, altitude
Gyro	±1.0 degrees
Depth sensor	±0.15%
Altimeter	20mm
Telemetry	Transmission via copper (RS485) or fibreoptics (RS232)
Lighting	2kW available from 4 x 250 watt dimmer channels

