Seaeye Surveyor Plus

Thruster configuration, shape and light weight construction provide an ROV ideally suited for survey operations with the payload and interfaces to easily accommodate survey peripherals. This versatile ROV is also widely used for drill support, observation and inspection applications, the Surveyor Plus systems are also modified to deploy SEAROV SRCT innovative cleaning tool.

System configuration
- Inspection
- Cleaning
- Construction

www.searov-offshore.fr
Seaeye Surveyor Plus

The Surveyor Plus ROVs are launched using a gravity based crane or ‘A’ Frame LARS (Launch and Recovery System).

The Surveyor Plus series is a development of the highly successful Seaeye Surveyor. These ROVs have more power, higher payload and high power hydraulic supply than equivalent systems constituting a true multifunction ROV.

Operationally, the Surveyor Plus is simpler to operate and easy to maintain. The Surveyor Plus has 8 horizontal thrusters giving a forward thrust of 125kg.

<table>
<thead>
<tr>
<th>Vehicle dimension &amp; weight</th>
<th>Power requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length</strong></td>
<td>1450 mm</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>820 mm</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>920 mm</td>
</tr>
<tr>
<td><strong>Launch weight</strong></td>
<td>250 kg</td>
</tr>
<tr>
<td><strong>Max speed</strong></td>
<td>3.5 knots</td>
</tr>
<tr>
<td><strong>Payload</strong></td>
<td>50 kg</td>
</tr>
<tr>
<td><strong>Forward thrust</strong></td>
<td>125 kgf</td>
</tr>
<tr>
<td><strong>Vertical thrust</strong></td>
<td>35 kgf</td>
</tr>
<tr>
<td><strong>Max depth</strong></td>
<td>rating 600m</td>
</tr>
</tbody>
</table>

### Combined control Cabin/Workshop

**Configuration 1:**

Control cabin & workshop are fitted in a unique 20 ft container

- **Length:** 6000 mm
- **Width:** 2450 mm
- **Height:** 2500 mm
- **Weight:** 12000 kg

**Configuration 2:**

Control cabin in a unique 10 ft container

- **Length:** 3000 mm
- **Width:** 2450 mm
- **Height:** 2500 mm
- **Weight:** 5000 kg

### Power requirements

#### Standard equipment

- **Cameras**
  - 2 x Color CCD Camera
  - 1 x Black & White Low Light Camera (optional up to 4 cameras including zoom)
- **Pan & Tilt**
  - Electrical Tilt Unit, ± 90 deg with positional feedback displayed on overlay
- **Lighting**
  - 4 x 150w each quartz-halogen or LED unit (Optional up to 6)
- **Sonar**
  - Tritech Super Seaking
- **Compass**
  - Flux-gate unit with solid-state rate stabilization sensor, Accuracy ± 1°, Resolution 0.35°
- **Depth Gauge**
  - Electronic pressure sensor, Accuracy ± 0.1%
- **Auto Pilot**
  - Auto Depth and Auto Heading
- **Hydraulics**
  - 4kW motor & pump for tooling and Manips.
- **Valve Pack**
  - 7-Function hydraulic valve pack

### Manipulators

- 1 x 5 function manipulator

### LARS Launch and Recovery System

- **Deployment:** Gravity Based Crane
- **Length:** 3000 mm
- **Width:** 2450 mm
- **Height:** 2500 mm
- **Weight:** 5000 kg (Including winch)

### Winch/Power Pack dimensions

- **Length:** 1200 mm
- **Width:** 750 mm
- **Height:** 1000 mm
- **Weight:** 750 kg
- **Cable capacity:** 600 m

### Service team

Typical ROV team based on 12 hours/day operations

- > 2x Pilot / Technicians
- > 1x Supervisor

### Options

- Tether Management System (TMS)
- SIT camera
- CP probe (Contact or proximity)
- Flooded Member Detection
- UT Wall thickness measurements
- Multi-function manipulator
- Hydraulic tooling
- SEAROV SRCT Cleaning tool