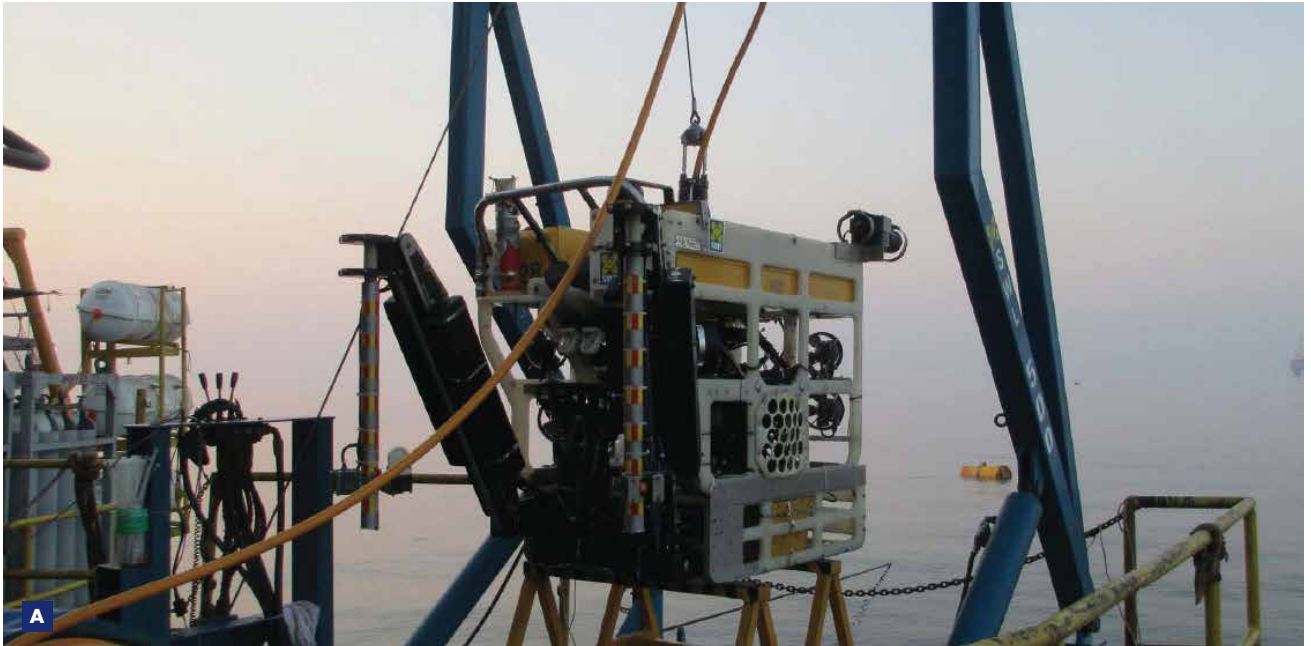


EQUIPMENT SHEET

SEAEYE SURVEYOR PLUS
REMOTELY OPERATED VEHICLE (ROV)



INTRODUCTION

The Seaeye Surveyor Plus can be used for observation, (platform) inspection, drill support, salvage of small objects and various types of survey operations.

The vehicle is standardly equipped with two cameras (one low light black and white and one high-resolution colored) and a scanning sonar system. Furthermore the vehicle can be equipped with Flooded Member Detector (FMD), CP probe, rope cutter, 5-function manipulator, ultrasonic wall thickness gauge and positioning/survey equipment.

Depending on the tasks the Seaeeye Surveyor Plus can be used for high tidal activities.

Apart from the vehicle itself, its equipment furthermore consists of:

- A 20 ft container equipped with: video equipment, controller and power supply.
- A launch and recovery skid (A-frame) with umbilical winch.
- A workshop with common spares and inspection station.

Data registration takes place by means of a digital recording system. For review of the video images high-resolution monitors are available.

MAIN DATA

Length	1,450 mm
Height	920 mm
Width	820 mm
Weight	250 kg
Payload	45 kg
Maximum depth rating	600 m
Forward thrust	125 kgf
Lateral thrust	108 kgf
Vertical thrust	35 kg
Max speed	3 kn

ONBOARD EQUIPMENT

Camera 1	Colour CCD television camera with wide-angle lens, fixed focus and auto-iris
Camera 2	High-resolution low light black and white camera
Camera tilt	± 180 of tilt
Lighting	4 x 150 W quartz halogen lamps, variable intensity and mounted on a tilt unit

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UMBILICAL

Lifting umbilical used to launch and recover the vehicle.

Sheathing Thermo-Plastic-Rubber (TPR)

Diameter 16.4 mm

Weight in air 218 kg/km

Weight in seawater 10 kg/km

Minimum bend radius 240 mm (dynamic)

Break strength 4.25 kN

Length 330 m

A-FRAME LAUNCH AND RECOVERY

A-frame is used to launch and recover the vehicle and the umbilical winch for paying out and taking in the umbilical in a controlled way.

Weight 3,700 kg

Length (deck space) 4.50 m

Width (deck space) 2.43 m

Height 5.28 m (Max)
2.50 m (stowed)

NAUTICAL AND COMMUNICATIONS EQUIPMENT

Compass Flux-gate compass with solid state rate sensor for enhanced azimuth stability

Depth sensor Readings in feet and meters

Autopilot Automatic heading and/or depth setting is available

Sonar Range 0.5-150m, 360 degrees (0) scan

CONTROL CONTAINER

The container is used as control station in which all surface equipment, such as digital recording system, power supply and controller, has been built in.

Length 6.60 m (± 20 feet)

Width 2.44 m (± 8 feet)

Height 2.59 m (± 8 feet)

Weight 8,000 kg

Power requirement 380/440 V, 80 kVA stabilised power supply (backup power required)



- A** Surveyor deployment stage, setup for pipeline inspection with boom arms
- B** Surveyor with additional tooling, setup with tool and wheel skid
- C** Surveyor A-frame deployment
- D** Surveyor A-frame (stage) control station

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