

- ROV designed for tough conditions
- Reliable and well proven design
- Quick and easy mobilization
- Very good stability
- Plenty of power
- Interface for standard tools
- Quality at an affordable price
- Require a minimum of maintenance
- Made in Norway



### ROV SPECIFICATION

<b>Vehicle</b>	LWH 140 x 81 x 90 cm., footprint
<b>Frame</b>	Anodized aluminum
<b>Housings</b>	2 x electronic 1-atmospheric bottles
<b>Weight in air</b>	410 kg approximately
<b>Payload</b>	20 kg approximately
<b>Max depth</b>	Standard 1000 m. Other depths on request
<b>Buoyancy</b>	Solid cell structure
<b>Power input, TBA</b>	230 / 400 / 440 VAC, 3 phase 10 kW
<b>Thrusters</b>	5 thrusters, Horizontal 3 x 2000W, Vertical 2 x 2000 W
<b>Speed theoretical</b>	Horizontal 3 knot, Vertical 1.9 knot Lateral 1,8 knot, Turn >60 deg/sec
<b>Pan /Tilt</b>	Pan 45 degrees, Tilt 90 degrees
<b>Camera interfaces</b>	4 off
<b>Standard camera</b>	HD IP Camera
<b>Option 1</b>	HD IP Camera wide angle
<b>Option 2</b>	HD IP Camera zoom
<b>Light interfaces</b>	4 off, total 1500 W
<b>Lights, standard</b>	2 x Bowtech LED-V Series, 20 000 Lumen

Sperre AS reserves the right to change prices and specifications without notice.

Sperre AS take the reservations for errors and omissions in this data sheet.

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<b>Sensors</b>	Depth sensor Gyro compass Moist sensors
<b>Auto functions</b>	Auto depth, Auto heading, Auto altitude. Altimeter is required to utilize auto altitude
<b>Interfaces and survey channels, standard</b>	3 x survey channels, RS 232/485 Transponder power 24 V DC Actuator, 4 off (Controls Pan/tilt, E1 manipulator + 1 spare) Compensator oil level status

**OPTIONAL EQUIPMENT**

<b>TMS</b>	TMS prepared
<b>Cable cutter</b>	Cutter for 19 mm. steel rope, complete with HPU and valve pack
<b>Manipulator hydraulic 5-function and HPU</b>	Manipulator, valve pack, 600 W. HPU, hoses and fittings, additional buoyancy, control box, valve control card. Skid mounted
<b>Interface for Innovatum / TSS 440</b>	RS232 (220 VAC @ 2 A, 24 VDC @ 1 A)
<b>Additional Survey channels</b>	On request (RS 232/485 & Ethernet)
<b>Sonar</b>	Blueview M900 Real time sonar
<b>Latch</b>	1,5-ton standard latch
<b>Tooling</b>	Various cutting tools, Brushing tool, Water jet. Skid mounted

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