

SUPPORTER

COMPACT, POWERFUL &
VERSATILE WORK CLASS ROV



Compact and powerful vehicle, optimized for work inside subsea structures.

KEY VESSEL FEATURES

- High operational reliability.
- Stable platform for survey operations.
- High performance hydraulics for subsea and ROV tooling.
- High maneuverability and performance.

TECHNICAL SPECIFICATIONS

VEHICLE

Manufacture	Kystdesign AS, Norway
Total Power	125 Hp hydraulic, dual pump Main 190l/min 200bar Aux 90l/min 200bar
Operating Depth	2,000 MSW (3,000 MSW optional)
Length	2,500 mm
Width	1,700 mm
Height	1650 mm
Total weight in air	2,450 kg
Payload in air	3,000 kg
Payload in water	220 kg incl. Manip
Speed forward	3 knots
Bollard pull	530 kg
Thrusters	4 x horizontal vectored 3 x vertical
Auto function	Altitude - 100 mm Depth +/- 75mm Heading +/- 1 deg.
Optional Dynamic	Station keeping
Positioning	"Move to" function "Follow track" function

STANDARD SENSORS

Gyro	1 x Fibre optic gyro
Altimeter	2 x Trittech 500 kHz
Depth sensor	2 x Depth sensors
Sonar	1 x OAS
Transponder	4 x MST 324
Cameras	3 x Standard colour cameras 3 x Tool cameras 2 x Low light cameras Optional HD cameras
Flasher	1 x Xenon flasher
Actuators	2 x P/T units, 1 x Tilt unit

ELECTRICAL INTERFACES

Instrument	14 x 6 pin 24V connectors
Power & control	6 x 7 pin 110V connectors 1 x 8 pin 110V 20A connector
Camera	8 x Camera connectors with focus and zoom
Light	10 x Dimmable light connectors

FIBRE OPTIC MULTIPLEXER

Camera Channels	8 x composite
Data Ch. Ethernet	32 x serial 1 x 1 gigabit
Optical Interface	Available on customer request
Optical HD MBE	

HYDRAULIC INTERFACES

Control valves	20 proportional directional valves with proportional pressure control on supply.
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TOP SIDE

Dual pilot control stations
Flat screen monitors
Video control
1 x 440v Power distribution cabinet
1 x High Voltage cabinet
1 x 150 KVA 440/3,000 V Transformers
1 x 10 KVA 440/3,000 V instr. Transformer
1 x 25 KVA 440/3,000 V TMS Transformer
1 x 10 KVA 440/3,000 V TMS instr. Transformer

TMS

Length/Width	Ø 2,200 mm
Height	2,130 mm incl. Latching
Depth rating	3,000 m
Weight in air	2,800 kg
Through frame lift	10,000 kg
Lifting point capacity	12,800 kg
Tether capacity	Ø 35 mm x 400 m

MANIPULATOR

7 Function Schilling Titan 4 manipulator
5 Function Schilling 5F Grabb

