



FALCON ROV SYSTEM

Class I Remotely Operated Vehicle

Highly versatile and portable, the Falcon is a lightweight ROV and a cost-efficient platform for a large number of offshore and inshore applications.

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SYSTEM MAIN APPLICATIONS

- Mobile and fixed offshore structures inspections
- NDT inspections
- Cables and pipelines surveys: pre-lay, touch-down monitoring, as-laid and as-built
- Pipeline instrumental inspections
- Diver assistance
- Typical example of additional tooling and sensors for Falcon applications: Contact/Proximity and field-gradient CP probes, Ultra-Sound WTM probe, FMD probe, Innovatum Smarttrak pipetracking system, rotary brush, Tritech Super SeaKing bathymetric kit



GENERAL SPECIFICATIONS

Depth rating (msw):	300
Dimensions (L x W x H - m):	1.0 x 0.5 x 0.6
Weight in air (Kg):	62
Payload (Kg):	14
Umbilical maximum length (m):	500

PERFORMANCE

Thrusters (horizontal):	4 x Saab Seaeye MCT01
Thruster (vertical):	1 x Saab Seaeye MCT01
Forward bollard (Kgf):	50
Lateral bollard (Kgf):	28
Vertical bollard (Kgf):	13
Maximum speed (knots):	3.0

AUTO FUNCTION CONTROL

Auto heading:	Available
Auto depth:	Available

SENSORS

Compass:	SI-NAVO2 ± 1 deg accuracy
Depth Sensor:	EAF 500 ± 0.5% FSD accuracy
Sonar:	Tritech Super Seaking

CAMERAS AND LIGHTS

Tilt unit:	1 x electric Saab Seaeye
Color camera:	1
Incandescnet lights:	2

MANIPULATORS

Single function 3-jaws grabber and rope cutter

TELEMETRY SYSTEM

Standard channel types*:	1 x RS485 1 x PAL video 1 x RS485 or PAL video
Subsea power outputs:	48VDC, 24VDC

*Actual telemetry channels availability may vary depending on umbilical type

CONTROL AND STORAGE VAN

1 x 10' container

LAUNCH & RECOVERY SYSTEM (OPTIONAL)

Dimensions (L x W x H - m):	3.0 x 2.4 x 2.6
Weight (Ton):	2.9
Crane capacity (Kg@m):	535@7.8
Minimum clump weight (Kg):	20

STANDARD OPERATIONAL LIMITS

Beaufort:	4
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ELECTRICAL REQUIREMENTS

ROV, control van:	220Vac, 50 / 60Hz, 1PH, 5KVA
Optional LARS:	400Vac, 50Hz, 3PH, 10KW or 480Vac, 60Hz, 3PH, 11KW

ROAD TRANSPORTATION

Number of trucks:	1
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