AQUA
Exploración

FALCON 300 msw

Observation Class

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The Falcon is the world's most successful underwater electric robotic system of its class. Powered by a single-phase 110/230 VAC supply, Falcon is lightweight and portable for easy deployment, and comes rated to a depth of 300m.
Five powerful thrusters provide precise control and maintain a stable platform in strong currents and turbulent waters.

CAMERAS
Wide angle, low light, colour inspection camera supplied as standard. Choice of additional colour zoom, low light B&W navigation, colour HD or digital stills cameras.

SONAR
360° scanning sonars for navigation and target location

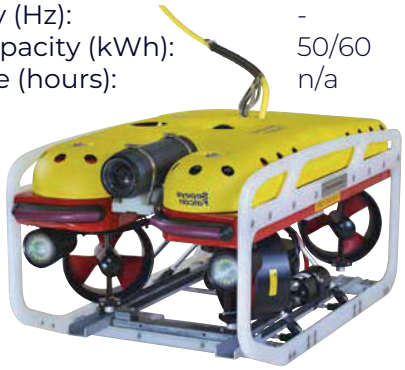
TILT PLATFORM
180° tilt platform for up to two cameras, light or 2D multibeam imaging sonar

MANIPULATOR
Electric three jaw manipulator with soft rope cutter blade.

LIGHTING
3250 Lumens low voltage LED floodlights with variable intensity control for precise scene illumination.

Specifications

Depth rating (m):	300
Length (mm):	1000
Height (mm):	500
Width (mm):	600
Weight in air (kg):	60
Payload (kg):	14
Forward thrust (kgf):	50
Lateral thrust (kgf):	28
Vertical thrust (kgf):	13
Speed (knots):	>3
Thruster type:	S1-MCT01
Horizontal thrusters:	4
Vertical thrusters:	1
Auto-depth:	√
Auto-heading:	√
Auto-altitude:	option
Auto pitch / roll:	-
Station keeping:	option
Video channels:	1
Video transmission:	STP/FO
LED lights (standard quantity):	2
Tilt platform:	√
Pan and tilt platform:	-
iCON:	√
Typical manipulator function (f):	1f or 5f
Tooling 3PH power outlet:	no
Power input phases:	single
Voltage (Vac):	111/230
Frequency (Hz):	-
Battery capacity (kWh):	50/60
Endurance (hours):	n/a



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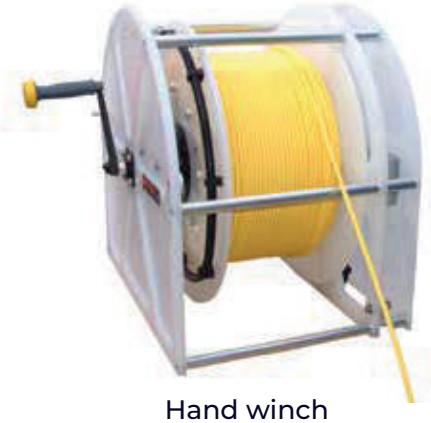
iCON
Saab Seaeye

The Falcon surface unit with Saab Seaeye's iCON control system includes a 22” detachable daylight viewable touchscreen, fully customisable screen layouts and data displays - with storage for multiple layouts.
It has digital graphics and an analogue video overlay, four video outputs for remote screens / recorders, live vehicle diagnostics and system configuration windows.

The Falcon surface unit also features 20 hrs of integrated video recording (.ASF H.264 encoded format), .jpg stills capture to an integral hard disk or USB drive for playback on any windows machine, serial data import / export, a USB hand controller and an on-screen virtual controller.



Hand winch

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