



SAAB Seaeye Falcon

Technical Specifications



GLOBAL
Diving & Salvage, Inc.

SURFACE EQUIPMENT



INPUT POWER REQUIREMENTS:

Single phase universal auto sensing input, 100-270 VAC at 2.8 kW.

FALCON SURFACE UNIT

The Falcon's switch mode power supplies, control system, fold out 15 inch LCD monitor and keyboard are installed in a 19 inch rack transportable case.

All connections to the surface unit are on the front panel for easy access including the hand controller with its 5 metre flying lead.

The power output from the surface unit to the umbilical is a galvanically isolated 500 VDC protected by a L.I.M. (Line Insulation Monitor).

VEHICLE CONTROLS ON THE HAND CONTROL UNIT

The following vehicle controls are provided on the hand controller:

- Single 3 axis joystick for horizontal vehicle control
- Rotary trim controller for vertical thrust up or down
- Push button dive and surface control
- Thruster enable / disable and power setting

- Camera selection
- Rotary control for lights intensity
- Auto pilot function for both heading and depth
- Auxiliary vehicle controls (including manipulator open / close).

A video overlay system is incorporated as standard providing the following information to the pilot:

- Compass heading
- Depth
- Camera tilt position
- Auto pilot function status
- Umbilical turns counter
- Vehicle pitch and roll
- CP reading
- Date and time
- Lat and Long
- Free text using a QWERTY keyboard.

SEAEYE FALCON & FALCON DR SPECIFICATIONS

SPECIFICATIONS	FALCON	FALCON DR
System power requirements	Single phase 100-270 VAC at 2.8 kW	Single phase 100-270 VAC at 2.8 kW
Maximum umbilical length	450 m	1100 m
Depth rating	300 msw	1000 msw
Length	1000 mm	1055 mm
Height	500 mm	635 mm
Width	600 mm	600 mm
Launch weight	60 kg	100 kg
Forward speed	> 3 knots	> 3 knots
Thrust forward	50 kgf	50 kgf
Thrust lateral	28 kgf	28 kgf
Thrust vertical	13 kgf	13 kgf
Payload	14 kg	15 kg



FALCON DR WITH 5 FUNCTION MANIPULATOR SKID