



## ATLANTIC MARINE SEAEYE FALCON ROV



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

### SURFACE EQUIPMENT



### 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.

### INPUT POWER REQUIREMENTS:

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

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