



Falcon

The FALCON ROV system is a reliable powerful observation & inspection ROV. Highly versatile regarding its size, the FALCON ROV has an exceptional 1:1 power to weight ratio. Its four vectored powerful thrusters allow to work in hard conditions of current. The free-flying configuration allows to operate from light vessel or surfer. It includes a 300m winch with slip ring and a mobile control unit with video overlay and daily readable display.

System configuration

- TMS
- LARS



Falcon

The FALCON ROV system is a reliable powerful observation & inspection ROV manufactured by SEAEYE. Highly versatile regarding its size, the FALCON can be fitted with lots of optional equipment. The FALCON can be fitted with panoramic sonar or second camera.

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Our experience in ROV operations offshore Africa has permitted to select an ROV powerful enough to be able to operate offshore with a light configuration.

The free-flying configuration allows to operate from light vessel or surfer. It includes a 300m winch with slip ring and a mobile control unit with video overlay and daily readable display.

Vehicle specifications

| | |
|------------------|-------------|
| Length | 1000 mm |
| Width | 600 mm |
| Height | 500 mm |
| Launch weight | 50 kg |
| Max speed | > 3 knots |
| Payload | up to 16 kg |
| Forward thrust | 50 kgf |
| Lateral thrust | 28 kgf |
| Vertical thrust | 13 kgf |
| Max depth rating | 300 m |

Tether cable & winch system

| | |
|-------------------|---|
| Hand Winch | Focal slip ring |
| Length | 300 m |
| Diameter | 16 mm |
| Weight | 20 kg |
| Breaking strength | 520 kg |
| Conductors | 2x Power conductors 4x twisted pair 1x Cp reference |

Surface control unit

Transportable Rack including :

- Control unit
- Video screen
- Analog to digital converter
- HD/DVD Video recorder

Service team

Typical ROV team based on
12 hours/day operations
> 1x Pilot
> 1x Technicians
> 1x Navigator (if posit required)

Data logging

Computers & HDD
Apple Laptop video processor

Power requirements

220-240V 2,8kW

Standard equipment

| | |
|----------|--|
| Camera | 1x Colour CCD Camera on tilt platform 1x Second camera |
| Tilt | Tilt Platform Unit, ± 90 deg |
| Lighting | 150w variable intensity lighting on tilt unit |
| Sonar | Mesotech Panoramic |
| Heading | Compass & rate Gyro Auto Depth and Auto Heading |

Options

- Positioning equipment (USBL, Navigation, etc.)
- Skid with Manipulator or Gripstick
- Image scaling system
- Cleaning Brush
- Pipetracker
- CP Probe



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