

FALCON

SPECIFICATION SHEET



OBSERVATION & INSPECTION CLASS ROV

The Falcon ROV system is a reliable powerful observation & inspection ROV manufactured by Seavey. 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.

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.

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.

KEY FEATURES

- 300 M DEPTH RATED
- LAUNCH WEIGHT 50 KG
- TETHER MANAGEMENT SYSTEM (TMS)
- LAUNCH AND RECOVERY SYSTEM
- PLAYLOAD UP TO 16 KG
- POWER 220-240V 2.8KW



GENERAL

DEPTH RATING	300 m
DIMENSIONS L X W X H	1000 x 600 x 500 mm
LAUNCH WEIGHT	50 kg
MAX SPEED	> 3 knots
PLAYLOAD	Up to 16 kg
FORWARD THRUST	50 kgf
LATERAL THRUST	28 kgf
VERTICAL THRUST	13 kgf

TETHER CABLE & WINCH SYSTEM

HAND WINCH	Focal slip ring
LENGTH	300 m
DIAMETER	16 mm
WEIGHT	20 kg
BREAKING STRENGTH	520 kg
CONDUCTORS	2 x Power conductors 4 x Twisted pair 1 x Cp reference

STANDARD EQUIPMENT

CAMERA	1 x Colour CCD camera on tilt platform 1 x Second camera
TILT	Tilt Platform Unit, +/- 90 degrees
LIGHTS	150w variable intensity lighting on tilt unit
SONAR	Mesotech Panoramic
HEADING	Compass & Rate Gyro Auto Depth and Auto Heading

DATA LOGGING

Computers & HDD
Apple Laptop video processor

POWER REQUIREMENTS

220-240V 2.8kW

SURFACE CONTROL UNIT

TRANSPORTABLE RACK

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