

SEAOWL MK IV

SPECIFICATION SHEET



OBSERVATION CLASS ROV - SEAOWL MK IV



KEY FEATURES

- MANOEUVRABILITY
 - 3 TRANSLATION AXES, FORWARD/BACKWARD, SIDeways, UP/DOWN. 360DEG IN ROLL, PITCH AND HEADING.
- STABILITY
 - GYRO STABILISED AT ANY ALTITUDE TO BETTER THAN +/- 2DEG. +/- 5DEG. IN STABLE CONDITIONS.
- EXTERNAL EQUIPMENT
 - REGULATED 24V SUPPLY CAPABLE OF SUPPLYING UP TO 4A TO EXTERNAL EQUIPMENT. FMD OPTIONS. DIGITAL STILL CAMERA OPTION.
- CLASSIFICATION
 - INSPECTION, OBSERVATION, SEARCH, SURVEY AND LIGHT WORK

GENERAL

DEPTH RATING	500 msw
POWER	440Vac, 3 phase 60hz
WEIGHT IN AIR	100 kg
DIMENSIONS	
LENGTH	1.4 m
WIDTH	0.8 m
HEIGHT	0.6 m

STANDARD EQUIPMENT

TMS	
MANUFACTURER/TYPE	MacArtney/SeaOwl 500 Tophat TMS
WIDTH	Base Diameter 1.65m
HEIGHT	1.6 m
TETHER LENGTH	180 m
REQUIRED POWER SUPPLY	6 kVA
WEIGHT	500 kg
CAMERAS AND LIGHTS	
LOW LIGHT NAVIGATION CAMERA	Imenco
CCD COLOUR CAMERA WITH ZOOM	Imenco
HALOGEN LIGHTS	4 off MV 4000, with a total light capacity 650W (2 circuits)
INSTRUMENTATION	
DEPTH GAUGE	Druck, integrated in system
FLUXGATE COMPASS	Nexus 45, integrated in system
LEAK DETECTORS	Yes
GYRO AND PENDULUMS	Roll and Pitch Sensing
16BIT HIGH IMPEDANCE VOLTMETER	For CP Probe
TELEMETRY	
ANALOG AND DIGITAL I/O	4 off Video Channels, 4 off RS232 Channels, 1 off Ethernet
OPTICAL TRANSMISSION SYSTEM	Yes, Multi Mode Fiber
VIDEO AND CAMERA SYSTEMS	
INTEGRATED POWER AND DRIVER SUPPLY	For 2 video cameras, drivers for focus and zoom

PERFORMANCE

SPEED	
FORWARDS	1.9 kts
BACKWARDS	0.8 kts
VERTICAL	0.8 kts
LATERAL	0.8 kts
THRUSTERS	7 thrusters in total, 0.55hp each
FWD/BWD	2 off, total forward thrust 300N
VERTICAL	3 off, total lift thrust 280N
LATERAL	2 off (only one used at time), total lateral thrust 120N
FUNCTIONS	
AUTO HEADING	Yes
AUTO ALTITUDE	N/A
AUTO DEPTH	Yes
GYRO STABILISED HEADING	Yes
TRIM AND AUTO-RESET FUNCTIONALITY	Yes
HORIZONTAL MODE	Relative to surface
BODY MODE	Relative to ROV
PAYLOAD	Up to 12 kg without additional buoyancy

SURFACE UNITS

UMBILICAL WINCH	Active Heave Compensated to approx. 4m Hs (Vessel dependent)
MANUFACTURER/TYPE	Svendborg hydraulic, MacArtney/MASH ROV winch Type 550/29-20
LENGTH	2.15 m
WIDTH	1.70 m
HEIGHT	2.00 m
WEIGHT	3000 kg without umbilical and slirping.
UMBILICAL LENGTH	550 m (approx. 1300 kg)
REQUIRED POWER SUPPLY	100 kVA
LARS	Jib Crane
MANUFACTURER/TYPE	Sepro HPL05
LENGTH	Approx. 7.00 m
WIDTH	Approx. 3.40 m
HEIGHT	Approx. 4.8 m
WEIGHT	5000 kg
CONTROL CONTAINER	Integrated in vessel control room or typical 20' container
WORKSHOP CONTAINER	Integrated in vessel workshop or typical 10' or 20' container

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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.

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