

V8 OFFSHORE

SPECIFICATION SHEET



OBSERVATION CLASS ROV - V8 OFFSHORE

KEY FEATURES

- MANOEUVRABILITY
 - 3 TRANSLATION AXES, FORWARD/BACKWARD, SIDWAYS, UP/DOWN. 360DEG IN ROLL, PITCH AND HEADING.
 - NEXT GENERATION 360
 - HIGH ACCURACY IN SERVO LOOP FOR 360 CONTROL
- TECHNOLOGY
 - THE V8 INCORPORATES THE VERY LATEST CUTTING-EDGE HARDWARE AND SOFTWARE TECHNOLOGY, AND SPORTS A PEDIGREE THAT CAN BE TRACED BACK TO THE LEGENDARY SEAOWL
- EXTERNAL EQUIPMENT
 - OPTIONAL TOOL SKID
- CLASSIFICATION
 - INSPECTION, OBSERVATION, SEARCH, SURVEY AND LIGHT WORK

GENERAL

DEPTH RATING	2000 msw
POWER REQ.	440Vac 3ph, 50-60hz, 10kVA
WEIGHT IN AIR	250 kg
DIMENSIONS	
LENGTH	1.1 m
WIDTH	0.8 m
HEIGHT	0.9 m

PERFORMANCE

SPEED

FORWARDS	3 kts
BACKWARDS	2 kts
VERTICAL	2 kts
LATERAL	2 kts

THRUSTERS

FWD / BWD / LATERAL	4 off Vectored Brushless DC Thrusters (1350W SubAtlantic SPE-075)
VERTICAL	4 off Vectored Brushless DC Thrusters (1350W SubAtlantic SPE-075)

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	15 kg

SURFACE UNITS

UMBILICAL WINCH	The V8 Offshore can be interfaced with different AHC umbilical winches, typical weather limit for launch / recovery is 4 m Hs
LARS	The V8 Offshore can be interfaced with different LARS types like A-frames and jib cranes, typical weather limit for launch / recovery is 4 m Hs
CONTROL CONTAINER	Integrated in vessel control room or typical 20' container
WORKSHOP CONTAINER	Integrated in vessel control room or typical 10' or 20' container

STANDARD EQUIPMENT

TMS

MANUFACTURER/TYPE	Sub-Atlantic - Type 1
WIDTH	1.074 m
LENGHT	1.609 m
HEIGHT	1.632 m - 2.032 m (adjustable)
WEIGHT	580 kg in air
DESIGN CRITERIA	Designed to 2 Te SWL @ 3G
TETHER LENGTH	Up to 400 m of 16 mm Tether
REQUIRED POWER SUPPLY	8 kVA

CAMERAS AND LIGHTS

LOW LIGHT NAVIGATION CAMERA	1 off Imenco
CCD COLOUR CAMERA WITH ZOOM	1 off Imenco
CAMERA CAPACITY	Max 4 off cameras, 1 off channel for HD camera
CAMERA CONTROL INTERFACE	2 off Zoom Control + 2 off RS232 Control
HALOGEN LIGHTS	2 off 100 W, dimmable
LED LIGHTS	2 off Bowtech
DIGITAL STILL CAMERA	Imenco SDS7200

INSTRUMENTATION

DEPTH GAUGE	Pressure Transducer (16 bit A/D Converter)
FLUXGATE COMPASS	Yes
LEAK DETECTORS	Yes
GYRO AND ACCELEROMETER	3 off roll rate gyros, 3 off x,y,z accelerometers
16BIT HIGH IMPEDANCE VOLTMETER	Yes, for CP Probe
TELEMETRY	
ANALOG AND DIGITAL I/O	4 off Video Channels, 4 off RS232 Channels, 1 off Ethernet
OPTICAL TRANSMISSION SYSTEM	Yes, Singel Mode Fiber

Revision Date 30.04.2012

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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.

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