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Lyra

ROV "Observer Class" for Visual and Instrumental Inspections



KEY FEATURES

- Depth rating: 300 m
- Dimensions: 750x600x520 mm
- Weight: 80 kg
- Chassis: Polyethylene high density and Stainless lift points
- Cameras: one Color Camera
- Lights: two standard LEDs dimmable lights
- Power requirements: 220-240 VAC single phase 50/60 Hz 3.3 kW
- Payload: 18 kg (up to 22 kg with optional buoyancy)

STRUCTURE/FRAME AND FITTING

Modular Chassis manufactured in high impact resistant Polypropylene. This material is totally maintenance-free and non-corroding.

Pressure housing in anticorrosional aluminium 6060

ALL-IN-ONE SURFACE CONTROL UNIT

Pilot monitor and video recorder are fitted in 12 U flightcase with surface electronic control and vehicle power supply

CAMERA

The main camera is fitted inside the electronic POD protected by an hemispherical PMMA high transparency dome

POWER REQUIREMENTS

200-240 V AC single phase 50/60 Hz 3.3 kW (other on request)

VIDEO-OVERLAY

Video overlay provides: heading, date and time, tilt position, depth, CP probe data (if installed), navigation data I/O string

PROPULSION

Two vertical oblique and two horizontal DC brushless thrusters.

- Downward thrust : 11 kgf
- Forward thrust : 20 kgf
- Lateral thrust : 10 kgf

STANDARD FUNCTIONS

Autoheading and autodepth

PAYLOAD

18 kg standard. Up to 22 kg with optional buoyancy

BUOYANCY

PVC encapsulated High density foam

OPTIONS:

Rear facing camera with illumination
Sonar and altimeter
Single/dual function electric manipulator
USBL System
Contact CP Probe installation kit
Additional independent lights available
Suggested winch: VH500 or VH700

Custom configurations available on request

SYSTEM DIMENSIONS

	VEHICLE	12 U CONSOLE	
		w. cover	w/o cover
Length (mm)	750	550	540
Width (mm)	600	770	570
Depth (mm)	520	600	590
Weight in Air (kg)	80	-	65



subject to change without notice*

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