

HYDROELECTRIC ROV CONFIGURATION

PRO 4 HY 300R

THE PRO 4 HY 300R Hydroelectric ROV System has been specifically configured for Engineers and Service Managers to quickly and effectively perform a variety of underwater infrastructure inspection tasks in rugged environments where gear takes a beating. The standard computer from the BASE Hydro system is replaced with a rugged Toughbook computer and adds an industrial hand controller. Getting into tight spaces or intakes is no problem as the maximum diameter of the VideoRay is no more than 12 inches (25.4 cm). The ROV operator will gain valuable insight into the integrity of the structure while noticing immediate payback on this rugged investment.



SYSTEM COMPONENTS

- » Pro 4 ROV Submersible
- » Pro 4 Control Panel (monitor not included)
- » Toughbook Computer - 10.5-Inch Display
VideoRay Cockpit Control Software Included
- » Rugged Programmable Hand Controller
- » Plug and Play Modular Tether:
40 m (130 ft) Neutrally Buoyant
- » Pelican 1620 Hard Case with Custom Packaging
- » Basic Tool Kit with Complete Ballast Set
- » Sunshade
- » Owners Manual
- » Three (3) Days of Open Enrollment Training for One Operator





GENERAL SYSTEM

Power Requirements	100-240 VAC
Total System Weight	41.5 kg (91.4 lb)
Cases	2 Watertight Rugged Pelican Cases
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Basic Tool Kit and P4 Maintenance Kit
Communications Protocol	RS-485
Warranty	2 Year Limited

SUBMERSIBLE

Depth Rating	305 m (1,000 ft)
Size	37.5, 28.9 22.3 cm (14.75, 11.4, 8.75 in)
Weight	6.1 kg (13.5 lb) [with Full Ballast Set]
Ballast	(No Tools Required) Ballast System with Complete Stainless Ballast Set

PROPULSION (4.2 Knots Maximum Speed)

Horizontal/Vertical	2 Brushless/1 Brushless Direct Drive/Geared 100 mm Propellers/65 mm Propeller
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CAMERA

Main	High Resolution - NTSC or PAL Format Color and B&W Wide Dynamic Range Digital Slow Shutter White Balance
Sensitivity	20+ Real Time Camera Settings Color Mode: .004 lux B&W Mode: .0001 lux
View Angle	90° Horizontal/140° Diagonal
Vertical Tilt	180° Control

LIGHTING

(2) LED Array with 32 Emitters 3,600 lumens	Beam Spread covers entire range of Main Camera
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INTEGRATED SENSORS

3D-Tilt Compensated Compass	Leak Indicator	Volt Meter
Accelerometer	Water Temperature	Depth Sensor
MEMS Gyro	Internal Temperature	

CONTROL PANEL

Size	53, 43, 22 cm (21, 17, 8.5 in)
Weight	16 kg (35 lb)
Computer	Toughbook Computer with swivel display - 10.5 inch
Software	Programmed with complete suite of VideoRay Cockpit Control software
Main Display	Available as an option
Controller	Rugged USB Programmable Hand Controller and Wireless USB Programmable Hand Controller
Recording	Integrated Recording (.WMV, .AVI formats) One Button Hand-Controlled Video and Still Image Recording
Overlay	Date, Time, Depth, Heading, Customized Text, Logo
Video Out	Digital or Analog Composite

TETHER

Length	40 m (130 ft) total length, Professional Performance Tether: 8mm diameter, 454 kg (1,000 lbs) breaking strength
Management	Available as an Option

INTEGRATED ACCESSORIES

INQUIRE WITH AN AUTHORIZED SALES REPRESENTATIVE ABOUT ADDITIONAL AVAILABLE ACCESSORIES FOR THIS ROV SYSTEM

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