



UV Information and Contact

Name	ROV II
Mission Type	Inspections

General Specifications

Beam (m)	--
Draft (when resurfaced) (m)	--
Frame	Stainless
Tether description	300m umbilical cable for video and ethernet

Support Vessels Requirements

Control vane	--
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Speed Duration and Range of Operation

Diving and resurfacing speeds (m/s)	--
Max. cruising range	--
Normal dive duration (hours)	--
Cruising speed (m/s)	--

Max. Speed:

Forward (m/s)	--
Lateral (m/s)	--
Vertical (m/s)	--

Crew and Scientific Observers

Scientific observers (number)	1
Pilots (number)	--

Energy

Total Energy Available:

Propulsion and steering (kWH)	--
Scientific payload (kWH)	--

Propulsion and Steering

Thrusters (Thrust Force)

Aft (N)	--
Lateral (N)	--
Fore (N)	--
Vertical (N)	--
Control planes arrangement	--

Pressure Hull (Manned Sphere)

Inside diameter (m)	--
Material	--
Portholes	--
Thickness (m)	--

Trim Adjustment and Ballasting	
Trim adjustment and ballasting	--
Navigation Equipment	
Non-Acoustic	
Attitude and heading	--
Pressure sensor	--
Acoustic	
Doppler	--
Altimeter	--
Longbaseline system	LSTS-Self Design
Ultrashort baseline system	--
Other equipment	--
Automatic Guidance and Control Capabilities	
Depth control	Present
Altitude control (above the seabed)	Present
Heading control	Present
Speed control	Present
Way-point tracking	Present
Path following	Present
Customer - Defined Instrumentation Support	
Dimensions	--
Power (kW)	--
Communication Links	--
Max. weight in water (kg)	--
Max. weight in air (kg)	--
Scientific Instrumentation and Tools	
Still cameras (number)	--
Lightning (number)	4
Manipulator / Sampling	--
Video cameras (number)	1
Total power (kW)	--
Additional Information	
Examples of missions executed	Here are two types of underwater inspections already performed by the ROV in Porto local main Port harbour: 1- The state of the quay stone walls. These walls are subject to high pressures due to the motions of some types of thrusters. 2- The state of corr
Examples of scientific data acquired	The data gathered is mainly video images. It's also possible to make bathymetry runs in a custom area
Other	Pan and Tilt unit to point the camera in the right direction