



**UV Information and Contact**

Name	PC - 8
Mission Type	Undefined

**General Specifications**

Beam (m)	--
Draft (when resurfaced) (m)	--
Frame	--
Tether description	--

**Support Vessels Requirements**

Control vane	--
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**Speed Duration and Range of Operation**

Diving and resurfacing speeds (m/s)	0,15
Max. cruising range	5
Normal dive duration (hours)	5
Cruising speed (m/s)	0,5

**Max. Speed:**

Forward (m/s)	1,5
Lateral (m/s)	--
Vertical (m/s)	1

**Crew and Scientific Observers**

Scientific observers (number)	1
Pilots (number)	2

**Energy**

**Total Energy Available:**

Propulsion and steering (kWH)	20
Scientific payload (kWH)	2

**Propulsion and Steering**

**Thrusters (Thrust Force)**

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

**Pressure Hull (Manned Sphere)**

Inside diameter (m)	1,22
Material	steel
Portholes	9 viewports 20 cm in diameter
Thickness (m)	--

Trim Adjustment and Ballasting	
Trim adjustment and ballasting	Internal variable buoyancy trim tank system 82 kg total capacity and HP overboard discharge pump
Navigation Equipment	
Non-Acoustic	
Attitude and heading	Gyro compass
Pressure sensor	Depth gauges
Acoustic	
Doppler	--
Altimeter	--
Longbaseline system	--
Ultrashort baseline system	--
Other equipment	IMAGENEX 881A SONAR
Automatic Guidance and Control Capabilities	
Depth control	--
Altitude control (above the seabed)	--
Heading control	--
Speed control	--
Way-point tracking	--
Path following	--
Customer - Defined Instrumentation Support	
Dimensions	--
Power (kW)	--
Communication Links	Helle underwater telephone and VHF radio
Max. weight in water (kg)	--
Max. weight in air (kg)	--
Scientific Instrumentation and Tools	
Still cameras (number)	1
Lightning (number)	5
Manipulator / Sampling	1
Video cameras (number)	1
Total power (kW)	4
Additional Information	
Examples of missions executed	Search and exploration of sunk objects (ships, submarines, airplanes, torpedoes, mines) structure: breckwaters, gas pipelines UW cables
Examples of scientific data acquired	Biological, geological, and ecological observation, water, sediments and plankton sampling, deepwater archaeology
Other	Soft sediments sampling device, hard rock drilling sampling device