



#### UV Information and Contact

Name	H300
Mission Type	Inspections, research and data gathering

#### General Specifications

Beam (m)	--
Draft (when resurfaced) (m)	--
Frame	Polypropylene/Stainless Steel
Tether description	275 m of 22 mm buoyant

#### Support Vessels Requirements

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

Diving and resurfacing speeds (m/s)	20
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)	--
Pilots (number)	1

#### Energy

##### Total Energy Available:

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

#### Propulsion and Steering

##### Thrusters (Thrust Force)

Aft (N)	12
Lateral (N)	10
Fore (N)	20
Vertical (N)	10
Control planes arrangement	--

#### Pressure Hull (Manned Sphere)

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

<b>Trim Adjustment and Ballasting</b>	
Trim adjustment and ballasting	--
<b>Navigation Equipment</b>	
<b>Non-Acoustic</b>	
Attitude and heading	3 axis fluxgate
Pressure sensor	piezoresistive type sensor
<b>Acoustic</b>	
Doppler	--
Altimeter	--
Longbaseline system	--
Ultrashort baseline system	--
Other equipment	navigation scanning sonar, USBL
<b>Automatic Guidance and Control Capabilities</b>	
Depth control	auto depth
Altitude control (above the seabed)	--
Heading control	Auto-heading
Speed control	--
Way-point tracking	--
Path following	--
<b>Customer - Defined Instrumentation Support</b>	
Dimensions	--
Power (kW)	4.5
Communication Links	--
Max. weight in water (kg)	--
Max. weight in air (kg)	--
<b>Scientific Instrumentation and Tools</b>	
Still cameras (number)	--
Lightning (number)	4
Manipulator / Sampling	5 function hydraulic
Video cameras (number)	3
Total power (kW)	--
<b>Additional Information</b>	
Examples of missions executed	eyeball, inspection, observation
Examples of scientific data acquired	--
Other	--