

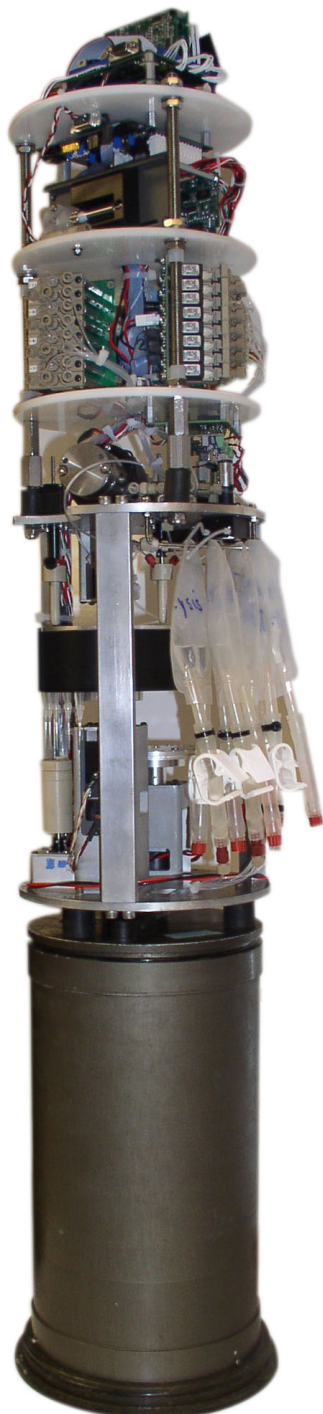


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Robotic Environmental Monitoring Sentry (R.E.M.S.)

The Porifera serves as a robotic sentinel sampler that can work 24/7 by capturing and preparing samples for analysis back at the lab using your trusted procedures and instrumentation. A "Sampling Technician in an Underwater Package", the Porifera is ideal for sampling areas of concern for chemicals, biological (microbes, larvae) or particulate matter over extended periods of time. Samples can be captured, prepared, preserved and archived by the fully remote programmable sampler, then transported to a lab for offsite chemical or biological analysis using your customary procedures and equipment (mass spec, microscopy, spectroscopy, genetic techniques, etc.)



Porifera Specifications:

CONSTRUCTION:

Housing: Hardened Aluminum
 Pressure Vessel

Internal Components: Aluminum and
 Thermoplastic

DIMENSIONS:

Housing: 8" Diameter x 48" H

Internal Unit: 7" Diameter x 28.5" H

Battery Stack: 7" Diameter x 13" H

WEIGHT:

75lbs

DEPTH CAPABILITY:

60m (200ft)

COMMUNICATIONS:

Standard: RS-232

Optional: WiFi - 802.11x

CONTROL:

PC Based Windows Based Operating
 System

OPTIONAL POWER/BATTERY STACK (4 BATTERIES):

Type: Lithium Ion (Mil-Spec)

Performance: 6.0 AH@30V; 12.0 AH@15V

DUAL BATTERY CHARGER:

Input: 100-260VAC; 24VDC; 100W

Outputs(2): 16.8VDC@5A

Network

When equipped with wi-fi (802.11x), the Porifera may be remotely programmed for operations, status reporting and optimization of sample collection frequency.

A non-hardened chassis configuration is available for applications that do not require submersion under water. May be configured without the battery stack for applications where power is available via hard-wiring.

