

REAL TIME MONITORING

The Vertical Profiler provides a variety of telemetry solutions for remote, real-time monitoring.

- Convenient, accessible, available when you need it
- View your water quality data online, anywhere internet is available at depths up to 200m
- Customizable charts, graphs and units of measure
- Tailor alarms, warnings and depth parameters to detect pollutants and harmful events early. Reporting made easy with simple download and sharing options
- Programmable ascent and descent options with manual and Bluetooth override

BENEFITS

With the Vertical Profiler you can easily access Water Quality Data in the water column, such as: Temperature Conductivity Salinity | TDS | pH | ORP Ammonia | Nitrates Dissolved Oxygen | Turbidity Chlorophyll-A | Blue-Green Algae | and more*



AFFORDABLE



ACCESSIBLE



EASY



CUSTOMIZABLE

ABOUT US

Since 2016, Hydro BioScience, LLC (HBS) and Diversified Power International, LLC (DPI), have been pioneers of worldwide patented Ultrasonic Algae Remediation systems and technology, as proven through thousands of system installations. As stewards of the environment, with regard for public safety, HBS is driven to lower the chemical footprint. Through continued scientific research and product innovation, HBS commits to providing you, our valued customer, with ever improving functionality, quality, and affordability.



IN HOUSE
MANUFACTURING



MULTIPLE
CARRIER OPTIONS

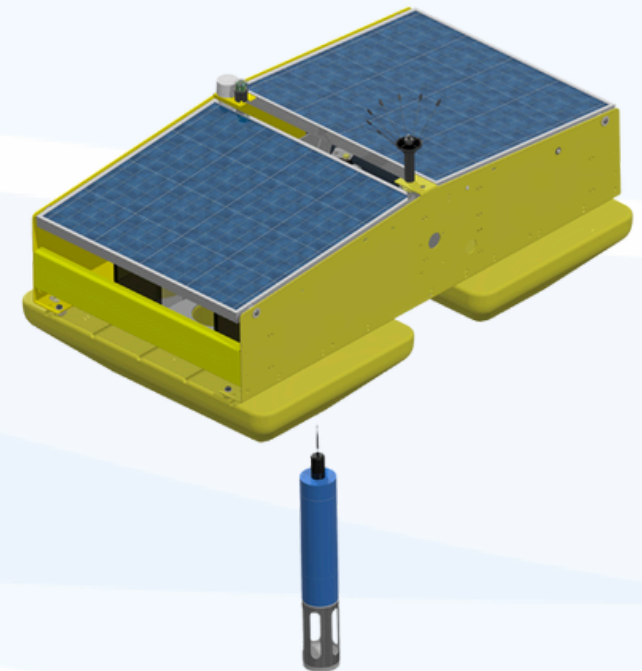


TIMELY,
ECONOMICAL DELIVERY

The Vertical Profiler ships in a standard courier box at approx. 75kg (165lbs), reducing costly delivery fees & freight delays.



VERTICAL PROFILER



ANYTIME, ANYWHERE

We're so sure you'll love the convenience of our real time monitoring system; we'll give you a full year of Real-Time Water Analysis Data Monitoring subscription FREE!**



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Intelligent Water Quality
Monitoring System
**PROVIDING FULL WATER COLUMN
CHARACTERIZATION UP TO 200m**

*Putting the "IQ" in Intelligent
Water Quality Monitoring*

*Probe sold separately; dealer pricing available.

**With system purchase. Mobile data rates may apply.

VERTICAL PROFILER

INTELLIGENT WATER QUALITY MONITORING SYSTEM

PROVIDING FULL WATER COLUMN CHARACTERIZATION UP TO 200m



- The Vertical Profiler is buoyancy rated at 108kg (240lbs)
- System and modules designed to IP67/68 protection
- Generates and stores enough energy to power an ultrasonic algae control system
- Multiple cable lengths available: 50m (standard), 100m, 200m

**DEPLOYABLE IN
UNDER 20 MIN**

**DELIVERED
PRE-ASSEMBLED**

Cellular, Bluetooth & Serial Communications link
Data broadcast includes:

- Impact/Shock Notification
- Battery Status
- Solar Panel Status
- Sensor Data
- Customizable Alarm Events
- GPS location
- Multi-unit arrays can be programmed to deliver information to a singular cell location

FEATURES

High efficiency solar controller with intelligent wireless & serial communications.

High Energy Density, ultra-light weight lithium batteries with Energy Status

indicator & capacity reporting. Ample energy collection from dual high-wattage solar panels and increased battery storage capacity allows the Vertical Profiler to properly power the water quality monitoring system and up to two HBS Mezzo-DB® or Quattro-DB® Ultrasonic Algae Control Transducers.

Measures:

Length: 132cm (52 inches)

Width: 84cm (33 inches)

Height: 59cm (23 inches)

Weight: 59 kg (130 lbs)

**OPTIONAL
ULTRASONIC
ALGAE
REMEDATION**

Bluetooth and Cellular communications antenna. Coast Guard approved beacon.

High energy density, high efficiency, solar panels with flip access.

Sturdy side panels with hand lift access holes.

Lightweight, Hydro-Dynamic Instrumentation Yellow, Impact Resistant Buoy.

Multi-Sensor probe. Multiple arrays of monitoring sensors and sonde units available. This makes tailoring a system specifically to your application simple. While probes are tested and proven to exhibit minimal biofouling, an optional Extended Turbidity wiper is available.

Connect with HBS:



HBS products, such as the algae management & monitoring systems, are patent pending or patented in various countries worldwide. All products advertised, excluding solar panels are PROPRIETARY HBS, LLC PRODUCTS.

Partial list of algae species affected by our patented systems: Aphanizomenon, Cyclotella, Pseudonabaena, Anabaena, Dictyosphaerium, Phacus, Aphanochaete, Fragilaria, Pinnularia, Arcella, Gloeocystis, Planktothrix, Gomphonema, Chlamydomonas, Lagerheimia, Chlorella, Lyngbya, Chroococcus, Microactinium, Spirogyra, Coelastrum, Staurastrum, Microcystis, Cosmarium, Tabellaria, Crucigenia, Nitzschia, Tribonema, Ulothrix, Botryococcus braunii, Rhodomonas minuta, Tetradasmus acuminatus, Scenedesmus quadricauda, Merismopedia tenuissima, Sphaerocystis schroeteri, Chloromonas reticulata, Navicula minima, Cryptomonas erosa, and Oocystis pusilla