



AlgaeTracker

by AquaRealTime

A revolutionary new monitoring and detection system providing early warning of harmful algal blooms and other water contaminants. With a low unit cost, AlgaeTrackers can be deployed quickly in multiple locations, from which they immediately stream data to a central dashboard where analytics improve early warning capabilities.



Specifications

Weight 8lbs (3.6kg)	Diameter 14in (35cm)	Height 7in (18cm)
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Benefits



1 Hour
Install



60x Lower
Entry Cost



Action
Alerts



Reduce time
spent sampling



Get notified before
algae blooms

AlgaeTracker

The AlgaeTracker is a floating sensor buoy that measures 6 key water variables and transmits the data to the cloud. It is solar powered, cellular connected, and has self-cleaning sensors that collect data 24/7, updating every 30 minutes. The tracker weighs 8 pounds and can be deployed by non-technical personnel in 30 minutes.

AlgaeLink

The AlgaeLink analyzes the sensor inputs and presents the data in a simple user dashboard accessible from any device. Data are presented in easy-to-interpret charts, permanently backed up, and easily downloaded. Custom alerts at action thresholds and evolving predictive analytics develop more accurate algorithms for blooms identification.

Sensor Measurements

Parameter	Range	Resolution
Air Temperature	0-50 °C	0.1 °C
Water Temperature	0-50 °C	0.1 °C
Turbidity	0-200 NTU	0.1 NTU
Chlorophyll-a	0-200 µg/L or 0-2,000 RFU	0.1 µg/L or 0.1 RFU
Phycocyanin	0-1,500 µg/L or 0-750 RFU	0.1 µg/L or 0.1 RFU
Ambient Light	0-2,000 PAR	0.1 µE/m ² /sec
GPS Coordinates	All	2.5 m

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