AquaRealTime

PRODUCT GUIDE

REAL-TIME WATER INTELLIGENCE



AquaRealTime provides a **complete product family for continuous, real-time water quality monitoring**: sensor and telemetry buoys, shore-mount telemetry, multi-parameter sondes, 12+ sensors, and handheld meters. Systems install by one person in under an hour and stream to the AquaRealTime dashboard. Trusted across the United States and Canada by utilities, agencies, watersheds, cities, irrigation, and aquaculture.

THE PRODUCT FAMILY



SENSOR + TELEMETRY BUOY

AlgaeTracker ART-AT1

Self-cleaning solar sensor buoy with surface sensors built in for early bloom detection. Add a sonde or sensor to monitor at depth.

Built in: chlorophyll-a, phycocyanin, turbidity, temperature, light, GPS



TELEMETRY BUOY

Sentinel ART-SEN1

Same buoy as the AlgaeTracker, but no built-in sensors. Powers our sondes and sensors and sends their data to the dashboard.

Carries: a TrackerSonde or sensor, 40 cm to 30 m (200 m deep water version)



SHORE-MOUNT TELEMETRY

TrackerNode ART-TRN1

Brings sondes and sensors online from docks, bridges, shore posts, existing buoys, or indoors.

Ideal for: rivers and canals · 2 ports · solar or shore power



MULTI-PARAMETER SONDE

TrackerSonde ART-MPS1

Up to 6 hot-swappable, self-cleaning probes plus temperature.

Connects to: a buoy or TrackerNode for telemetry, or the handheld for spot checks



SENSORS

12+ Sensors

Dissolved oxygen · pH · ORP · conductivity/salinity/TDS · turbidity · chlorophyll · phycocyanin · TOC/COD · TSS · DOM · oil in water · depth **and more**



HANDHELD METER

Handheld ART-HH1

Stand-alone spot checks, vertical profiling, and sensor calibration in the field. No connection needed.

Two models: single sensors (-SI) or the complete sonde (-SO)

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HOW IT FITS TOGETHER

1 MEASURE



AlgaeTracker, TrackerSonde, or single sensors read the water from the surface down to 200 m.

2 CONNECT



AlgaeTracker or Sentinel buoys, or a TrackerNode on shore, send data over managed cellular.

3 SEE & ACT

Live readings, alerts, and trends on the AquaRealTime dashboard, or in your SCADA.

In the field: the ART-HH1 Handheld takes spot readings and calibrates every sensor, with no connection required.

THE AQUAREALTIME DASHBOARD



Telemetry devices report here. Sign in from any browser at **aquarealtime.io**.

- ✓ Readings every 30 minutes, uploaded every 2 hours, with maps and gauges
- ✓ Email alerts when levels cross your thresholds
- ✓ Historical charts to track trends and treatment results
- ✓ GPS location and drift alerts for every buoy
- ✓ CSV export, plus REST API direct to SCADA
- ✓ Cellular data 100% managed by AquaRealTime
- \+ And more tools for analysis, data management, reporting, and cross-device comparison

APPLICATIONS

DRINKING WATER
Source reservoirs and intakes.

AGENCIES AND WATERSHEDS
Monitoring networks across a watershed.

CITIES AND RECREATION
City lakes, parks, beaches, and stormwater ponds.

WASTEWATER
Lagoons, effluent, and receiving waters.

IRRIGATION
Canals, ditches, and delivery channels.

AQUACULTURE
Hatcheries, raceways, and ponds.

WHAT OUR CUSTOMERS SAY

> *It takes one person. They're very small and lightweight... They're online instantly once they go out, and then they don't require a lot of maintenance either.*

Jessica Glowczewski
Watershed Superintendent, City of Akron, Ohio

> *Having access to real-time lab-quality data at my fingertips on my phone or my computer is something that I really can't live without.*

Tony Guida
Lead Project Manager, Nano Infusion Technologies, Colorado

> *These units have been an absolute smash success... a device that collects water quality data, in real time, with such ease of use, has been an incredible asset for our monitoring programs!*

Sarah Blenis
Hammond River Angling Association, New Brunswick