

MiProbe™



MiProbe™ Water Monitoring

The MiProbe platform incorporates a proprietary sensor technology with the Groundswell cloudbased monitoring dashboard (Figure 1) providing real-time microbial activity monitoring of metabolic activity in both water and soil monitoring applications.

- Replace Dissolved Oxygen/Oxygen Reduction Potential analyses.
- Probes impervious to biofilm buildup or fouling.
- Gradient modeling of aerobic vs. anaerobic conditions.
- Customizable alerts.
- No regular cleanup, calibration, or maintenance.

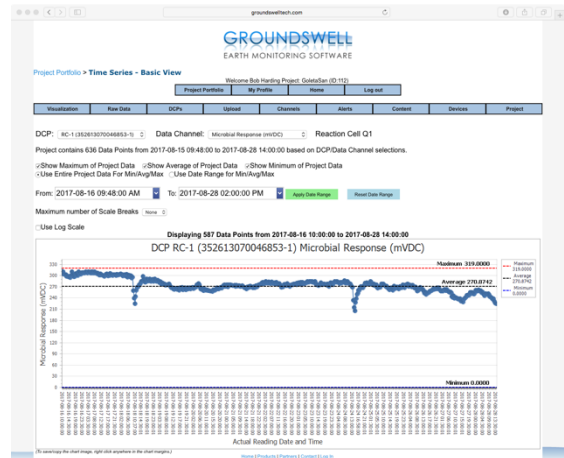


Figure 1 - Monitoring Dashboard

MiProbe™ Sentry

The MiProbe Sentry is a solar-powered, cloud-based, complete microbial sensor system with minimal setup and continuous process monitoring in any environment. These rugged systems can be installed in-situ for both remote lagoon & pond monitoring or at high-throughput dedicated facilities with low retrofit costs.



MiProbe Sentry Operating Specifications:

Power	0.06 watts (Typical) 1.8 watts (Transmitting)
Dimensions	4" x 8" x 8" Controller Housing
Temperature	32° F - 149° F (Internal)
Humidity	1% - 99% Non-condensing

Sensor Configurations:

MiProbe Sensors	Up to 3
Temperature	Up to 3
Optional 4-20mA Sensors	Up to 2

Optional Components:

Solar Panel	12V 270mA Output
Lithium Ion Battery	12.8V 6.4Ahr

Groundswell Cloud Platform:

Basic Internet Access and Web Browser