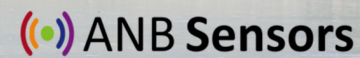




Monitoring Water Quality in Rivers with ANB Sensors' Calibration-Free pH Sensors



OVERVIEW

Rivers are essential ecosystems, providing vital resources like drinking water, supporting agriculture, and maintaining biodiversity. Monitoring water quality in these rivers is crucial to ensuring their health and longevity, particularly as climate change and human activity increase pressures on freshwater systems. ANB Sensors' calibration-free pH sensors have been deployed in various river monitoring projects, offering an efficient and sustainable solution for real-time water quality management.

USE CASE

Sustainable water monitoring requires accurate, long-term data collection with minimal environmental disruption. Traditional pH sensors often need regular recalibration and maintenance, making them less ideal for continuous use in remote or sensitive river ecosystems. The need for frequent sensor maintenance can increase operational costs, consume valuable resources, and disrupt ongoing environmental monitoring efforts.

ANB Sensors' calibration-free pH technology addresses these sustainability challenges. By eliminating the need for recalibration, these sensors enable long-term deployment with minimal human intervention, reducing the overall environmental impact and operational costs. The sensors have been successfully integrated into larger monitoring systems, providing real-time pH data that reflects the health of the river environment. This data is crucial for identifying changes in water quality, pollution levels, and the broader effects of climate change on freshwater ecosystems.

AT A GLANCE

- **Calibration-Free Technology:** Long-term pH monitoring without the need for recalibration, reducing maintenance and operational costs.
- **Sustainable Solution:** Minimal environmental impact with reliable, real-time water quality data, ideal for continuous monitoring in sensitive river ecosystems.
- **Real-World Applications:** Successfully deployed in diverse river environments, providing crucial insights into water health, pollution, and climate change effects.

As efforts to protect and preserve river ecosystems grow, ANB Sensors' technology offers a practical, eco-friendly solution to support long-term environmental stewardship.