

ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



VizSens-BGA **Blue-Green Algae Sensor**

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Vizsens-BGA

Blue-Green Algae Sensor

The Vizsens-BGA is an advanced sensor engineered for precise monitoring of Blue-Green Algae in water. With a wide measurement range of 0 to 300,000 cells/mL and an accuracy of $\pm 10\%$, it ensures reliable detection of algae levels. This compact sensor features a durable design, MODBUS RS485 communication, and various features to facilitate seamless integration with compatible controllers. It's ideal for multipoint monitoring of uneven algae distribution, contributing to environmental monitoring and water quality assessment.

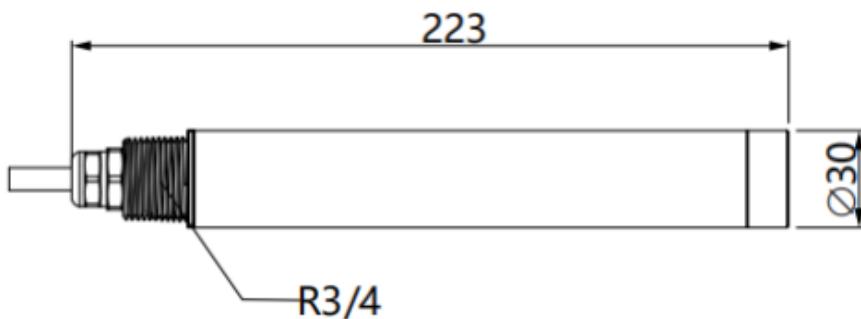


Product Features

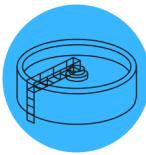
- **Fluorescent Measuring Target Parameter:** Early identification of Blue-Green Algae before water bloom impact.
- **Rapid Detection:** Fast and direct algae detection without sample extraction.
- **Digital Sensor with High Anti Jamming Capacity:** Reliable performance in noisy environments.
- **Far Transmission Distance:** Seamless data transmission over long distances.
- **Standard Digital Signal Output:** Easy integration with other equipment.
- **Plug-and-Play Sensors:** Quick and effortless installation



Basic Specifications	
Measurement Range	0-300,000 cells/mL
Measurement Accuracy	±10% of 1ppb Rhodamine B Dye
Resolution	20 cells/mL
Repeatability	±3%
Communication Protocol	MODBUS RS485
Physical Attributes	
Main Material	Body: SUS316L + Polyvinyl Chloride, Cover: Polyoxyethylene, Cable: Polyurethane
Protective Rate	IP68/NEMA6P
Pressure Range	≤ 0.4Mpa
Dimension/Weight	Dia 30mm * L 223mm, 0.55KG
Cable Length	Standard: 10m, extendable to 100m
Requirement	Suggest a multipoint monitoring for the distribution of blue-green algae in water is very uneven. Water turbidity is below 50NTU.
Operating Parameters	
Power Supply	9~36 VDC
Measuring Temperature	0-45°C



APPLICATIONS



Water Treatment Plants
Maintain filtration efficiency by monitoring algae levels.



Agricultural Water Management
Control algae in reservoirs for crop irrigation.



Aquaculture
Optimize aquatic conditions, ensure healthy fish growth.



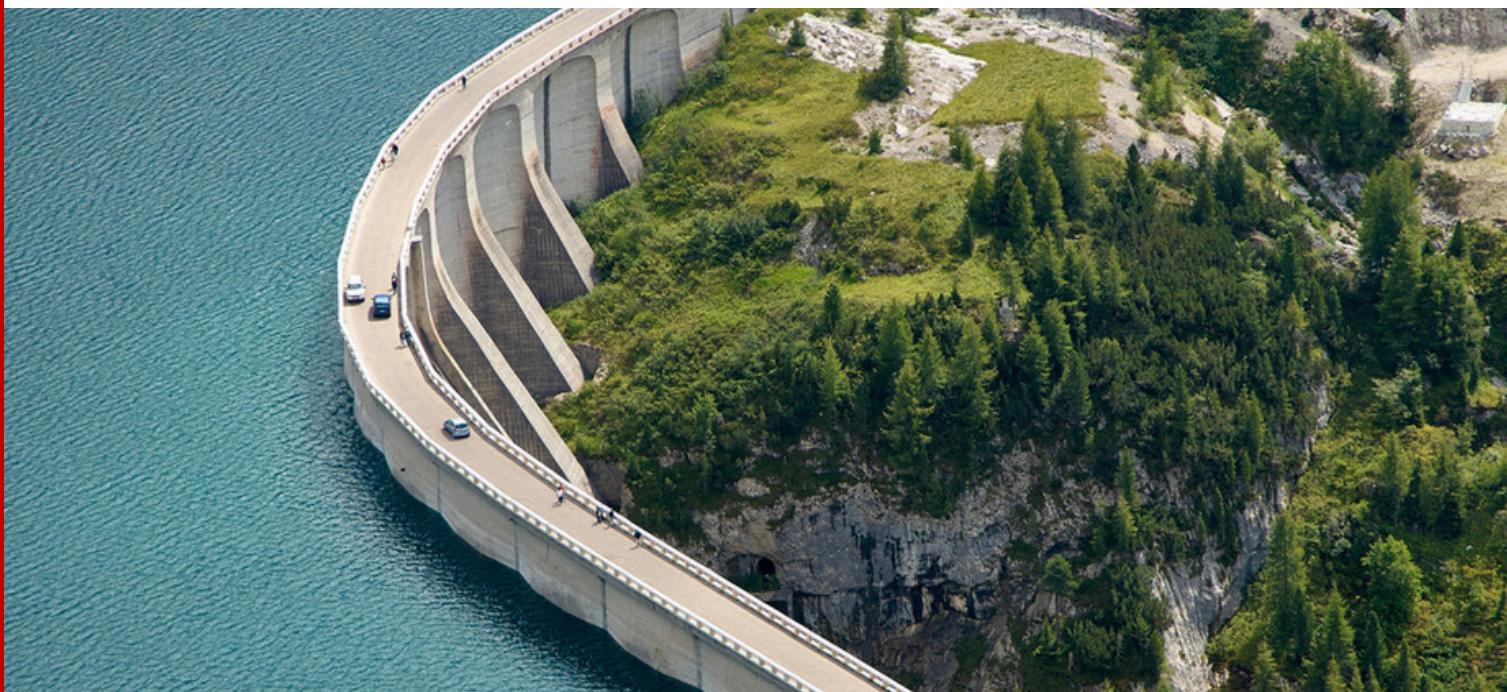
Recreational Water Bodies
Monitor algae in lakes, ponds for safe recreation.



Environmental Monitoring
Detect harmful algal blooms, support ecosystem health.



Research Institutions
Study algal behavior and distribution for research purposes



Note -

This data sheet serves as general information about the Vizsens-BGA. For specific technical details, installation guidelines, and troubleshooting assistance, please refer to the official user manual provided with the product.

For inquiries and detailed technical information, please contact sales@advanceanalytik.com.



LET'S CONNECT !

Let's work together to find a solution that
works for you



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