



PRODUCT  
DATASHEET '24

# ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



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

[www.advanceanalytik.com](http://www.advanceanalytik.com)  
[sales@advanceanalytik.com](mailto:sales@advanceanalytik.com)

# Vizensens-BGA

## Blue-Green Algae Sensor

The Vizensens-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

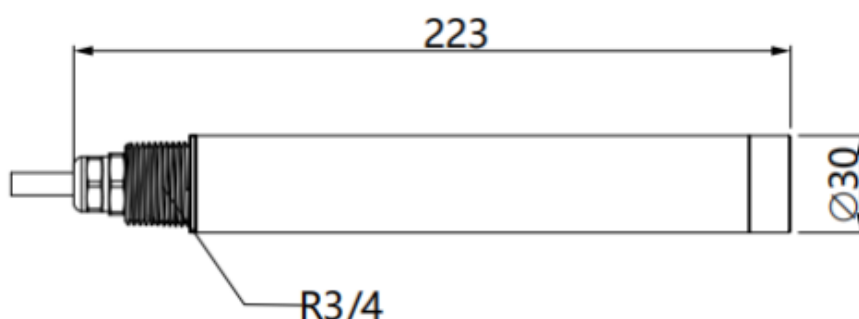
- **Fluorescent Measuring Target Parameter:** Early identification of Blue-Green Algae before water bloom impact.
- **Rapid Detection:** Fast and direct algae detection without sample extraction.
- **Digital Sensor with High Anti Jamming Capacity:** Reliable performance in noisy environments.
- **Far 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



# Vizensens-BGA

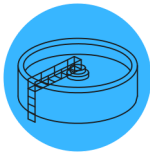
## Technical Specifications

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: Polyoxymethylene, 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





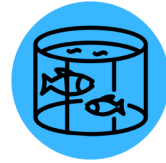
# APPLICATIONS



**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.



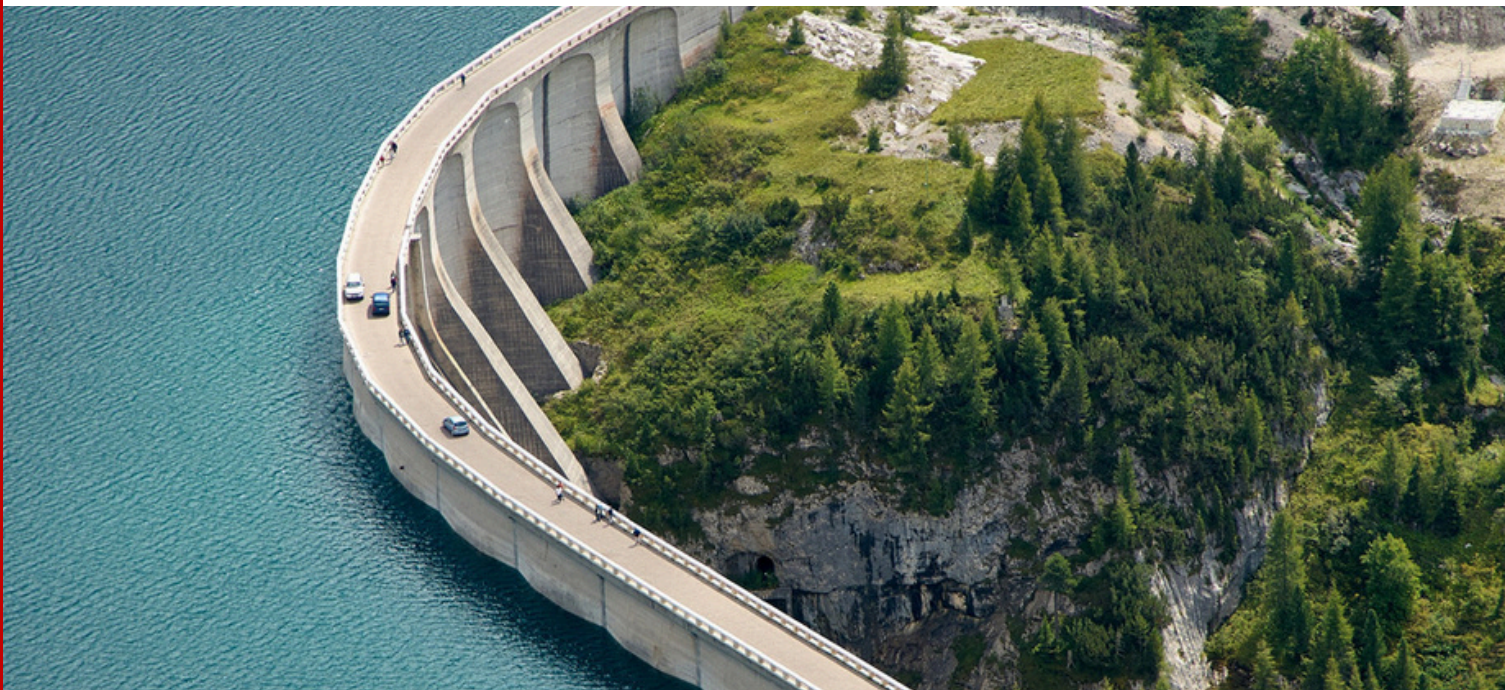
**Recreational Water Bodies**  
Monitor algae in lakes, ponds  
for safe recreation.



**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 Vizens-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](mailto:sales@advanceanalytik.com).*



# LET'S CONNECT !

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



## Contact Us :

+36 70328 6862

1132, Budapest Váci ut 16 Faz 12. ajtó

<https://advanceanalytik.com>

[sales@advanceanalytik.com](mailto:sales@advanceanalytik.com)

