



PRODUCT  
DATASHEET '24

# ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



## **VizSens-CPHL**

### **Chlorophyll Sensor**

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# VizSens-CPHL

## Chlorophyll Sensor

The chlorophyll sensor uses the characteristic that chlorophyll *A* has an absorption peak and an emission peak in the spectrum, and emits monochromatic light of a specific wavelength to the water. The light intensity of chlorophyll *A* is proportional to the content of chlorophyll *A* in the water.

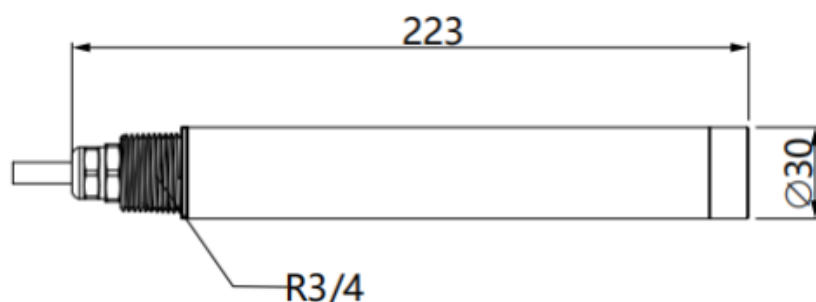


### Product Features

- The target parameter are measured based on the fluorescence of the pigment, which can be identified before the potential water bloom causes impact.
- **Rapid Detection:** Avoids the need for extraction or lengthy water sample shelving, ensuring timely results.
- **Digital Sensor with High Anti-Jamming Capacity:** Provides reliable performance even in noisy environments.
- **Far Transmission**  
**Distance:** Facilitates seamless data transmission over long distances.
- **Standard Digital Signal Output:** Allows integration and networking with other equipment without a controller.
- **Plug-and-Play Sensors:** Ensures quick and effortless installation for user convenience.
- **Reverse Polarity Protection:** Safeguards the sensor from potential power issues.

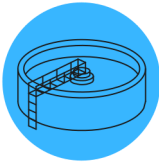


General Information	
Dimensions	Diameter: 30mm, Length: 223mm
Weight	0.55KG
Protective Rating	IP68/NEMA6P
Measurement Specifications	
Measurement Range	0-500 µg/L
Measurement Accuracy	±5 % of the signal level corresponding value of 1ppb Rhodamine B Dye
Resolution	0.01µg/L
Repeatability	±3%
Pressure Range	≤ 0.4 Mpa
Temperature Specifications	
Measuring Temperature	0-45°C
Material Specifications	
Main Material	Body: SUS316L (fresh water), Titanium alloy (marine);
Cover	Polyoxymethylene
Cable	Polyurethane
Requirements	Suggest a multipoint monitoring for the distribution of chlorophyll in water is very uneven. Water turbidity is below 50NTU.
Installation Specifications	
Cable Length	Standard: 10m, the maximum may be extended to 100m





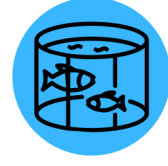
# APPLICATIONS



**Water Treatment Plants**  
Ensures water quality compliance by measuring dye concentration in treated water.



**Industrial Processes**  
Monitors dye in industrial wastewater to prevent contamination.



**Aquaculture**  
Helps manage aquatic health by tracking harmful dye levels in water.



**Environmental Monitoring**  
Identifies pollution sources by tracking dye dispersion in watersheds.



**Environmental Monitoring**  
Precise detection of Rhodamine B Dye levels in water for assessing pollution and environmental health.



**Research & Studies**  
Rapid detection of dye dispersion aids field research and environmental assessments.



## Note -

*This data sheet serves as general information about the VizSens-CPHL. 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



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