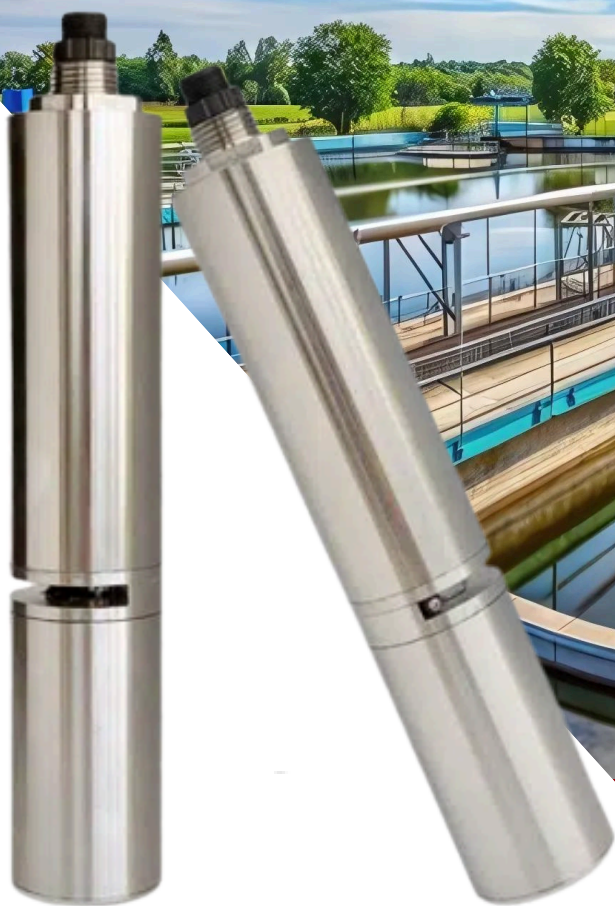




PRODUCT
DATASHEET '24

ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



VizSens-UV

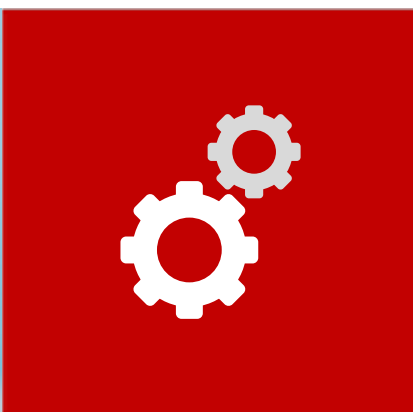
COD/BOD/TSS/TOC Sensor

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VizSens-UV

The VizSens-UV series COD/BOD/TSS/TOC sensor represents a new era in environmental protection sensors, offering reagent-free, pollution-free, economical, and eco-friendly water quality monitoring. This sensor is compact, easily installable, and enables online continuous monitoring. With automatic turbidity interference compensation and an integrated cleaning device, it maintains excellent stability even during prolonged monitoring. Utilizing the UV-Visible spectrum, this sensor measures the absorption of organic substances at 254nm enabling compensation for optical path attenuation and turbidity effects, ensuring consistent and reliable measurement values.



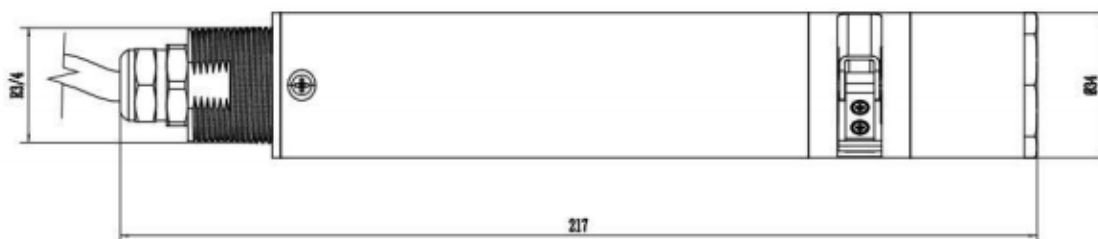
Product Features

- Direct immersion probe allows measurement without the need for sampling or pretreatment.
- No chemical reagents are required, eliminating the risk of secondary pollution.
- Equipped with an automatic cleaning wiper, which minimizes maintenance time.
- Operates within a spectral range of 200 nm to 750 nm, with built-in color and turbidity compensation.
- Provides rapid response time for continuous measurements.
- Includes reverse polarity protection for the sensor's power supply.

VizSens-UV

Technical Specifications

Measurement Method	
Measuring Range	COD: 0-5000mg/L , BOD: 0-5000mg/L , TOC: 0-5000mg/L , TSS: 0-5000mg/L , <i>*Range and path length can be customised as per requirement.</i>
Accuracy and Performance	
Accuracy	±5 %
Repeatability	±2 %
Resolution	0.01 mg/L
Pressure Range	≤ 0.1 Mpa
Sensor material	Body: SUS316L Cable: Polyurethane
Measuring temperature	0-45 °C
Cable Length	Standard:10m,can be extended to 100m
Sensor Protection	IP68/NEMA6P
Operating Temperature	0°C to 50°C
Dimensions	Diameter: 34mm, Length: 217mm
Weight	1 kg



APPLICATIONS



Water Treatment Plants

Essential for purification plants and hydrological systems, the VizSens-UV COD pH Sensor ensures precise pH measurements, safeguarding the quality and safety of water supplies.



Industrial Effluent Monitoring

Facilitates continuous assessment of COD, BOD, TSS, and TOC in industrial effluents, aiding in pollution control and adherence to discharge standards.



Environmental Research

Supports ecological studies by providing insights into organic pollutant levels in natural water bodies, aiding in environmental conservation efforts.



Laboratory Analysis

Offers reliable measurements of COD, BOD, TSS, and TOC for research purposes, contributing to the development of advanced water quality assessment methods.



Process Optimization

Assists industries in optimizing their processes by monitoring COD, BOD, TSS, and TOC, enhancing efficiency and minimizing environmental impact.



Aquaculture Management

Facilitates the maintenance of suitable water quality parameters in aquaculture systems by assessing COD, BOD, TSS, and TOC, promoting healthier aquatic environments.



Wastewater Treatment Plants

Monitors the efficiency of wastewater treatment processes by continuously measuring COD, BOD, TSS, and TOC, ensuring effective removal of pollutants.



Food and Beverage Industry

Maintaining optimal pH levels in pools and fish ponds, the PPH-500 promotes aquatic life health and provides safe, enjoyable swimming experiences.



Note -

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