



PRODUCT  
DATASHEET '24

# ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



## **VizSens-ODO**

**Optical Dissolved Oxygen Sensor**

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# VizSens-ODO

## Optical Dissolved Oxygen Sensor

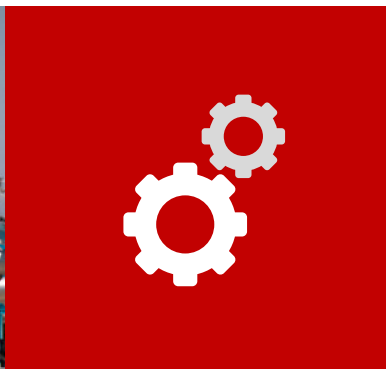
The VizSens-ODO Optical Dissolved Oxygen Sensor utilizes fluorescence technology to accurately measure dissolved oxygen concentration.

A luminescent material on the sensor's cap is excited by blue LED light, emitting red light. The intensity and time of the red light are indicative of oxygen molecule concentration, enabling precise calculations.



## Product Features

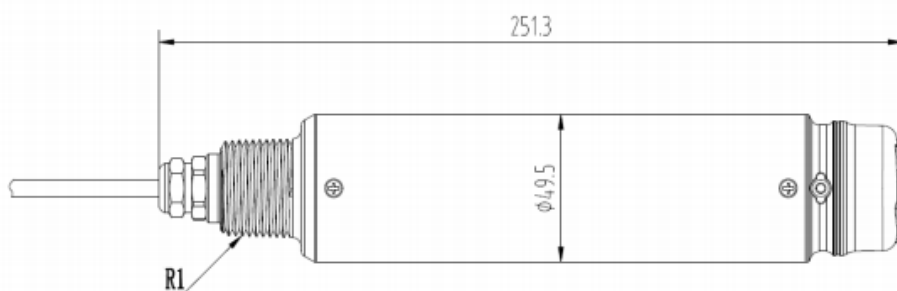
- New oxygen-sensitive membrane design.
- NTC temperature compensation function.
- Measurement without oxygen consumption, flow rate, or stirring.
- Utilizes breakthrough fluorescence technology.
- Low maintenance requirements with built-in self-diagnosis.
- Plug-and-play installation for easy setup.
- Factory calibration with optional field calibration.
- High anti-jamming digital sensor with standard signal output.
- Integration and networking capabilities.



# VizSens-ODO

## Technical Specifications

Physical Specifications	
Dimensions	Diameter 49.5 mm * Length 251.3 mm
Cable Material	Polyurethane
Measurement Specifications - Conductivity	
Measurement Range	DO: 0-20 mg/L or 0-200% saturation
	Temperature: 0-45 °C
Measurement Accuracy	DO: ±3% or ±0.3 mg/L of measured value, Temperature: ±0.5 °C
Resolution	≤ 0.1 mg/L
Repeatability	±0.3 mg/L
Pressure Range	0.3 Mpa
Main Material	
Body	SS316L (fresh water)
	Titanium alloy (Ocean marine)
Cover	Polyphenylene + glass fiber
Weight	1.4KG
Cable Length	Standard:10m, the maximum can be extended 100m
Electrical Specifications	
Power Supply	DC: 9-36 VDC
Communication and Environmental Specifications	
Communication Protocol	MODBUS RS485
Storage Temperature	-15 to 60 °C
Measuring Temperature	0-45 °C
Level of Protection	IP68/NEMA6P

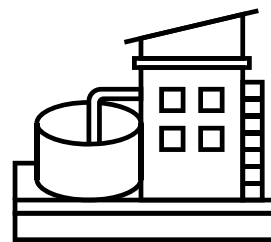




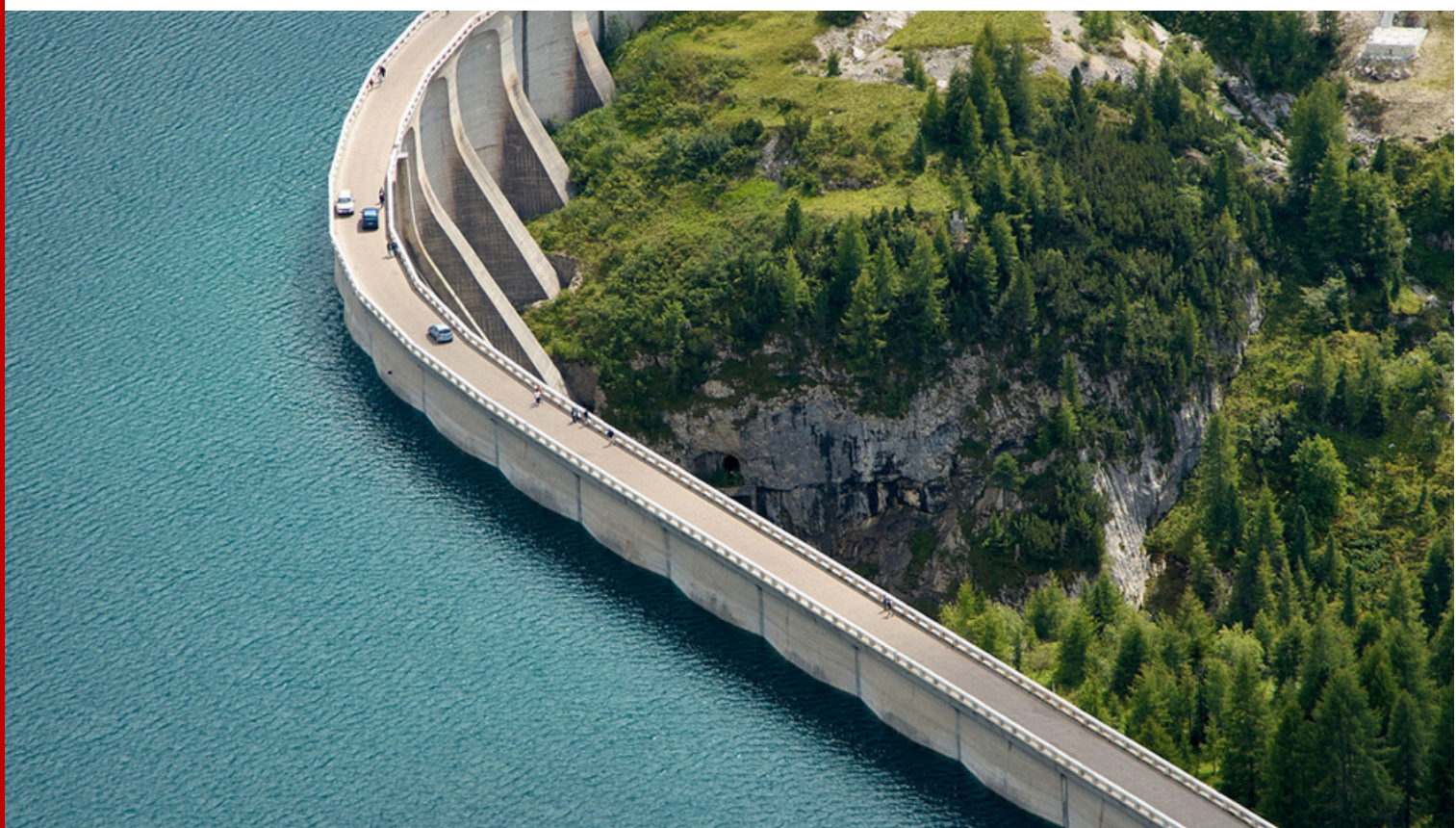
# APPLICATIONS



**DO monitoring in regulating reservoirs, biochemical pools, and sewage treatment plant effluents.**



**DO monitoring in water treatment plants, surface water, industrial processes, and aquaculture.**



## Note -

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