

# ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



**VizSens-OIW**

**Oil in water Sensor**

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# VizSens-OIW

## Oil in Water Sensor

The VizSens-OIW is an advanced oil in water sensor utilizing ultraviolet fluorescence technology. It excels in precision and versatility, with a wide detection range from 0 to 50 ppm. Designed for efficient monitoring of oil levels in water, even in the presence of suspended solids, this sensor integrates seamlessly with compatible controllers. Its rugged construction, IP68 protection, and optional self-cleaning brush ensure dependable performance across various industrial applications.



### Product Features

- **Digital Sensor:** Delivers accurate and precise oil detection measurements.
- **RS-485 Output:** Supports data transmission using the MODBUS protocol.
- **Automatic Cleaning Brush:** Eliminates the impact of oil on measurements.
- **Optical and Electronic Filtering Techniques:** Eliminate ambient light effects on readings.
- **Unaffected by Suspended Solids:** Reliable performance even in challenging environments.



# VizSens-OIW

## Technical Specifications

Basic Specifications	
<b>Principle</b>	<b>Ultraviolet Fluorescence method</b>
<b>Main Material</b>	<b>Body: SUS316L, titanium alloy; Cable: Polyurethane</b>
<b>Measuring Range</b>	<b>0 - 50ppm</b>
<b>Protection Level</b>	<b>IP68</b>
<b>Sensor Interface</b>	<b>Supports RS-485, MODBUS protocol</b>
<b>Dimension</b>	<b>Diameter 45*Length 191mm</b>
<b>Probe Cable Length</b>	<b>10 meters (default), Expandable upto 50 meters</b>
<b>Resolution</b>	<b>0.999</b>
<b>Repeatability</b>	<b>0.01 ppm</b>
<b>Temperature</b>	<b>0 to 50°C</b>
<b>Detection Limit</b>	<b>0.1ppm</b>
<b>Self-Cleaning Brush</b>	<b>Optional</b>



# APPLICATIONS



**Industrial Manufacturing**  
Monitor oil levels in cooling systems and lubrication circuits for efficient machinery operation.



**Wastewater Treatment**  
Detect oil contamination in water discharges, ensuring compliance with environmental regulations.



**Oil Refineries**  
Maintain water purity by tracking oil presence in cooling and water treatment systems.



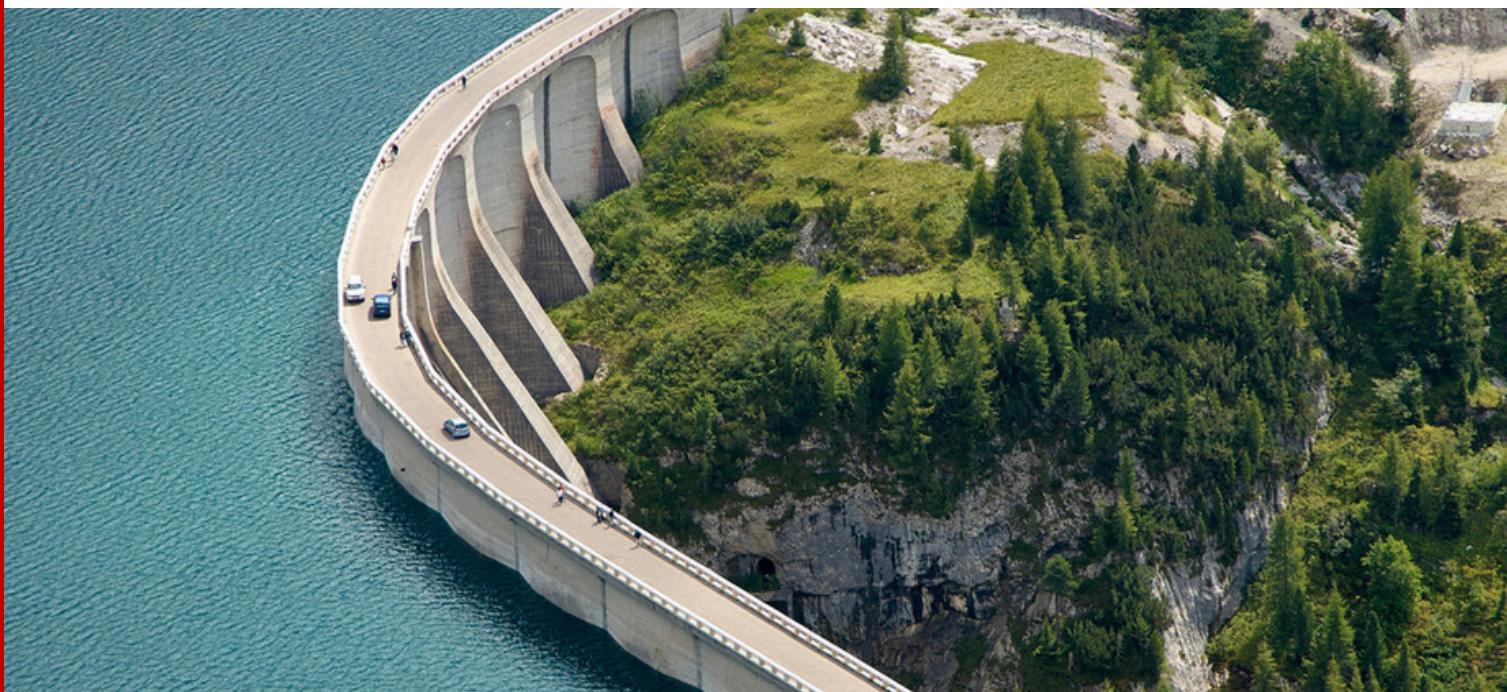
**Marine Applications**  
Monitor bilge water for oil leakage prevention in marine vessels.



**Power Plants**  
Control oil leaks and contamination in water circulating systems for enhanced efficiency.



**Chemical Processing**  
Ensure process water purity by monitoring oil content in chemical manufacturing.



## Note -

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