



PRODUCT
DATASHEET '24

ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



VizSens-Turb

Turbidity Sensor

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VizSens-Turb

Turbidity Sensor

The VizSens-Turb is a highly capable turbidity sensor known for its accurate and stable measurements. Equipped with advanced infrared scattered light technology, it offers excellent repeatability and reliability. With a built-in self-diagnosis function and optional automatic cleaning, it ensures data accuracy while reducing maintenance efforts. The sensor's digital technology provides high anti-jamming capacity and enables seamless integration with other equipment. The VizSens-Turb is a user- friendly solution with plug-and-play installation, making it suitable for a wide range of applications in different industries.



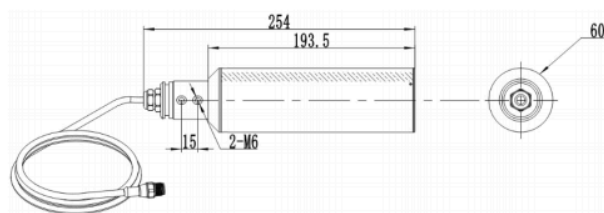
Product Features

- The turbidity sensor is based on the combined infrared absorption and scattering light method.
- **Optional Automatic Cleaning Function:** Reduces sensor maintenance with an automated cleaning brush.
- **Digital Sensor with High Anti-Jamming Capacity:** Provides reliable performance in noisy environments.
- **Standard Method:** Utilizes Infrared light scattering technique to eliminate sample color effects for precise measurements.
- **Standard Digital Signal Output:**Facilitates easy integration and networking with other equipment without the need for a controller.
- **Plug-and-PlaySensors :** Enables quick and straightforward installation, ensuring hassle-free setup and operation.
- **Power protection,** avoid wrong connection of RS485 A / B terminal.

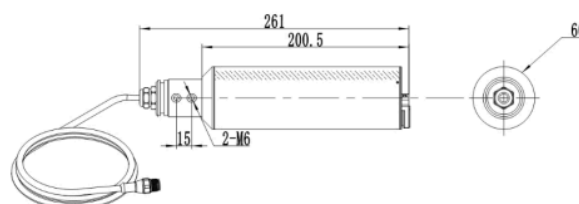
VizSens-Turb

Technical Specifications

General Information	
Dimensions	Diameter: 60mm, Length: 261mm
Weight	1.65KG
Protective Rating	IP68/NEMA6P
Measurement Specifications	
Measurement Range	Turbidity: 0.01-100 NTU , Turbidity: 0.01-4000 NTU
Measurement Accuracy	Less than $\pm 2\%$ of the measured reading or ± 0.1 NTU, whichever is greater
Resolution	0.01-0.1 NTU, based on range
Repeatability	$\pm 2\%$
Pressure Range	≤ 0.4 Mpa
Flow Rate	≤ 2.5 m/s, 8.2 ft/s
Temperature Specifications	
Measuring Temperature	0-45°C
Material Specifications	
Body	SUS316L (fresh water), Titanium alloy (Ocean marine)
Cover	Polyphenylene + glass fiber
Cable	Polyurethane
Installation Specifications	
Cable Length	Standard: 10m, maximum extendable length: 100m



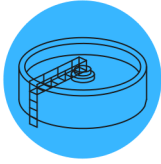
No automatic cleaning device



With automatic cleaning device



APPLICATIONS



Water Treatment

Ensure effective removal of contaminants in drinking water production.



Wastewater Management

Monitor treatment process efficiency and regulatory compliance.



Industrial Processes

Optimize manufacturing quality in various industries.



Environmental Monitoring

Assess water quality changes in natural bodies of water.



Aquaculture and Fisheries

Maintain optimal conditions for aquatic life in fish farms.



Research and Education

Study water quality trends and educate students about monitoring technologies.



Note -

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