

# ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



## **VizSens-NH4N**

**Ammonia Nitrogen (NH4-N) Sensor**

[www.advanceanalytik.com](http://www.advanceanalytik.com)

[sales@advanceanalytik.com](mailto:sales@advanceanalytik.com)

# VizSens-NH4N

## Ammonia Nitrogen Sensor

The VizSens-NH4N is a highly accurate and reliable sensor designed for measuring Ammonia Nitrogen (NH4- N) levels in water. With a pH range of 4- 10 and a precision of  $\pm 0.1$ , it ensures precise and consistent readings. Operating up to 10 meters underwater with IP68 protection, it's suitable for various environmental applications. Compatible controllers, the VizSens-NH4N supports RS-485 and MODBUS protocol for seamless integration and data transmission.



### Product Features

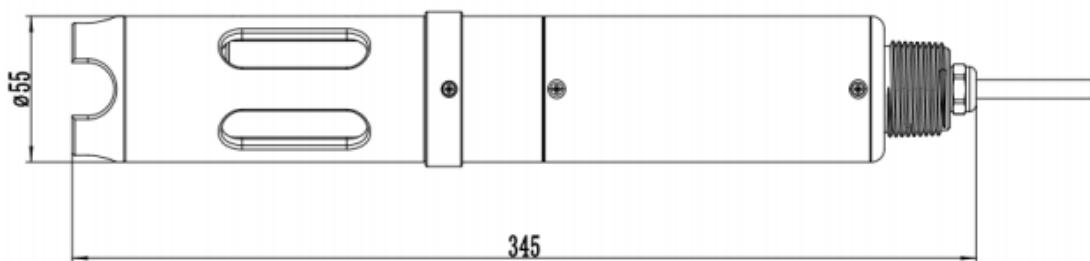
- **Digital Sensor:** Delivers accurate and precise NH4-N measurements.
- **RS-485 Output:** Supports data transmission using the MODBUS protocol.
- **Eco-Friendly:** Reagent-free, reducing pollution and promoting environmental sustainability.
- **Automatic Compensation:** Compensates for pH and temperature for enhanced accuracy.



# VizSens-NH4N

## Technical Specifications

Basic Specifications	
<b>pH Range</b>	<b>5-10</b>
<b>pH Accuracy</b>	<b>±0.1</b>
<b>pH Resolution</b>	<b>0.01</b>
<b>Ammonia Nitrogen Range</b>	<b>0.1-3000mg/L NH4-N</b>
<b>Accuracy</b>	<b>±5% of the measured value or ±0.2mg/L</b>
<b>Resolution</b>	<b>0.01 mg/L</b>
<b>Protection Level</b>	<b>IP68/NEMA6P;</b>
<b>Repeatability</b>	<b>±5% or ±0.2mg/L</b>
Operating Parameters	
<b>Deepest Depth</b>	<b>Up to 10 meters underwater</b>
<b>Temperature Range</b>	<b>0 ~ 50°C</b>
<b>Probe Cable Length</b>	<b>5 meters (default), customizable</b>
<b>Housing Material</b>	<b>Polyoxymethylene (An Engineering Thermoplastic)</b>



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# APPLICATIONS



## Aquaculture Industry

Monitor NH4N levels in Fish tanks, ensuring optimal aquatic conditions.



## Wastewater Treatment

Detect NH4N concentrations in effluents, contributing to water quality management.



## Environmental Monitoring

Assess NH4N levels in natural water bodies, supporting ecological health evaluation.



## Agricultural Water Management

Monitor NH4N in irrigation runoff to prevent soil and water contamination.



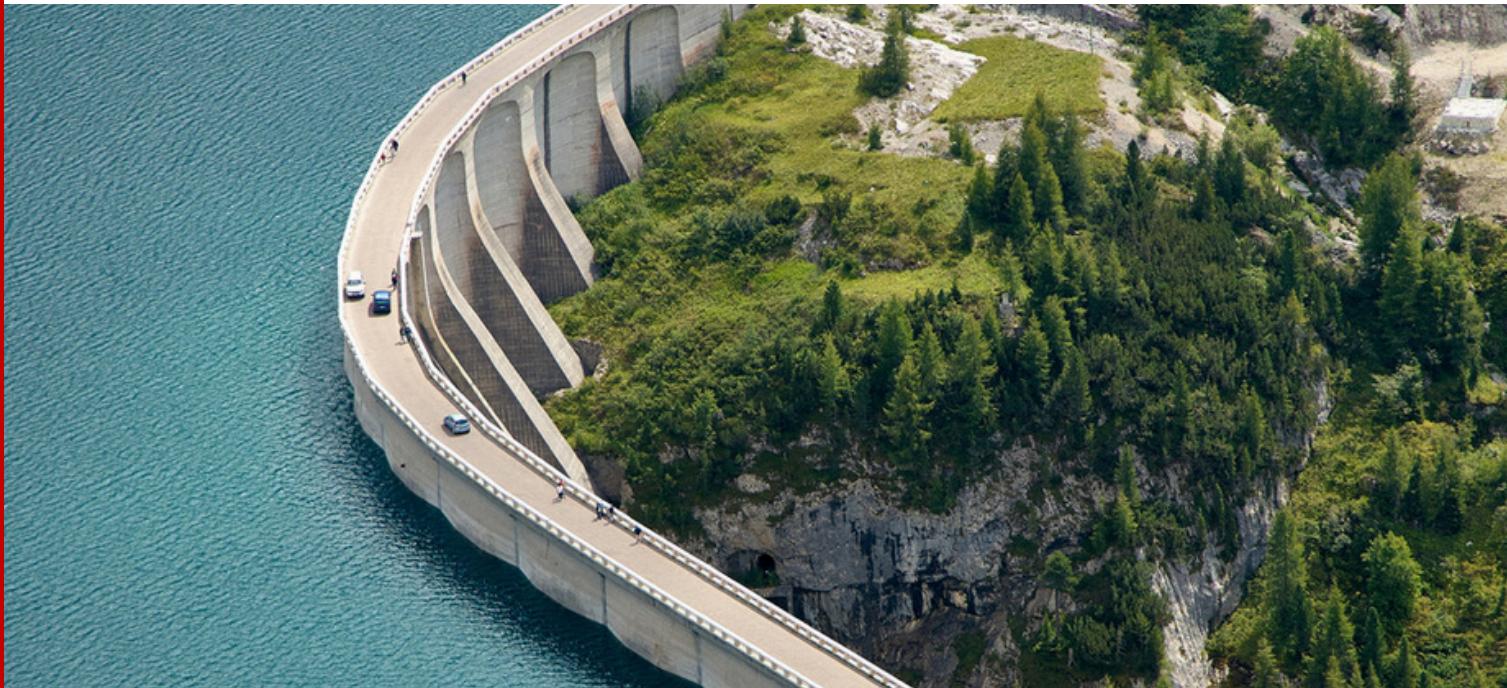
## Research Institutions

Conduct NH4N studies to understand nutrient cycles and environmental impacts.



## Industrial Processing

Control NH4N levels in manufacturing wastewater to meet regulatory requirements.



### Note -

This data sheet serves as general information about the VizSens-NH4N. 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



## Contact Us :

+36 70328 6862

1132, Budapest Váci ut 16 Faz 12. ajto

<https://advanceanalytik.com>

[sales@advanceanalytik.com](mailto:sales@advanceanalytik.com)

