AADAN-800S

Ammonia Nitrogen (NH4-N) Sensor

advanceanalytik.com

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The AADAN-800S 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 ±0.1, it ensures precise and consistent readings. The sensor features a self-cleaning brush that prevents microbial adhesion, extending maintenance intervals. Operating up to 10 meters underwater with IP68 protection, it's suitable for various environmental applications. Compatible with AAD-IC-100-4 and AAD-IMC-100-12 controllers, the AADAN-800S 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.
- **Self-Cleaning Brush**: Prevents microbial adhesion, extending maintenance intervals.

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AADAN-800S

Technical Specifications

Basic Specifications	
pH Range	4-10
pH Accuracy	±0.1
pH Resolution	0.01
Ammonia Nitrogen (AN) Range	0-1000mg/L NH4-N
AN Precision	3%
AN Resolution	0.1 mg/L
Protection Level	IP68
Assembly	Input type
Operating Parameters	
Deepest Depth	Up to 10 meters underwater
Temperature Range	0 ~ 50°C
Probe Cable Length	5 meters (default), customizable
Housing Material	POM (An Engineering Thermoplastic)

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APPLICATIONS

Aquaculture Industry
Monitor NH4-N levels in fish tanks, ensuring optimal aquatic conditions.

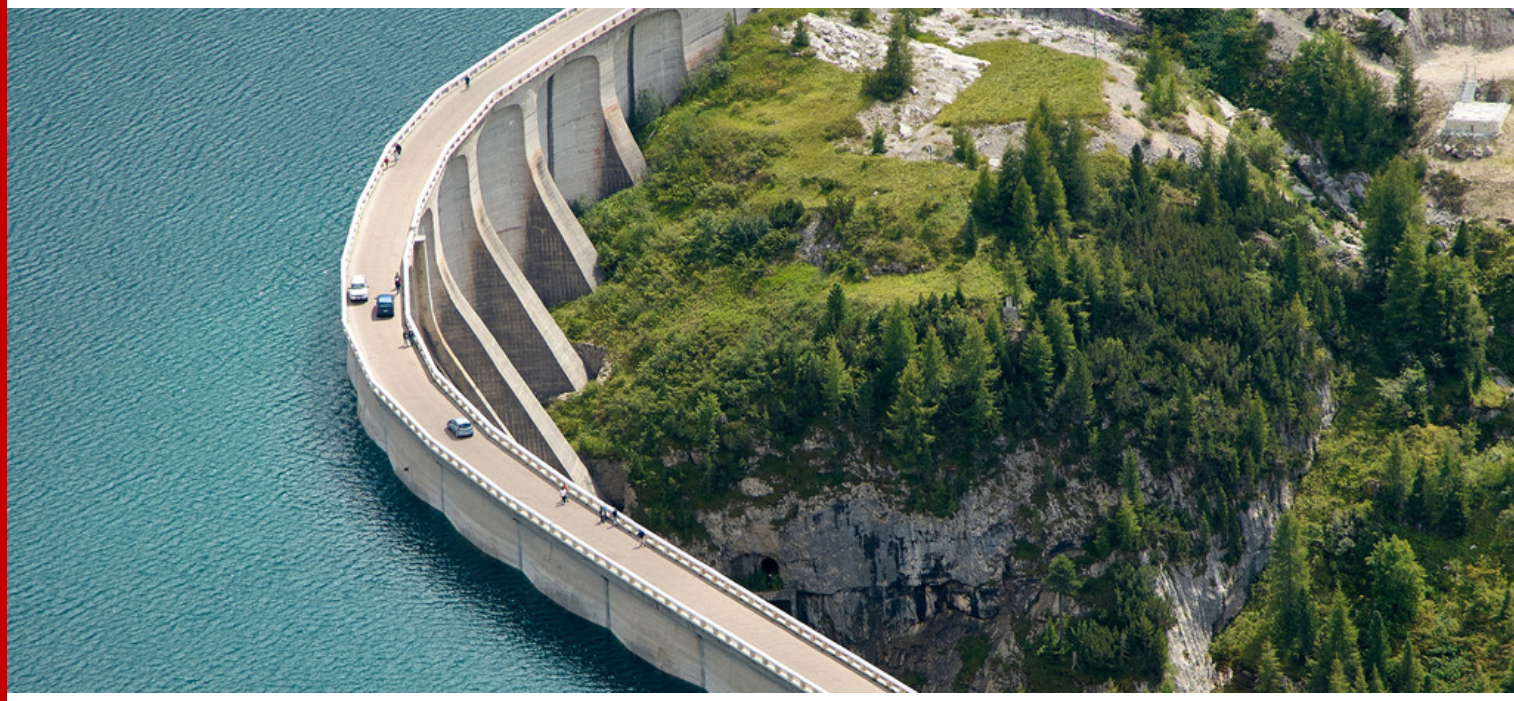
Wastewater Treatment
Detect NH4-N concentrations in effluents, contributing to water quality management.

Environmental Monitoring
Assess NH4-N levels in natural water bodies, supporting ecological health evaluation.

Agricultural Water Management
Monitor NH4-N in irrigation runoff to prevent soil and water contamination.

Research Institutions
Conduct NH4-N studies to understand nutrient cycles and environmental impacts.

Industrial Processing
Control NH4-N levels in manufacturing wastewater to meet regulatory requirements.



Note -

This data sheet serves as general information about the AADAN-800S. 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 info@advanceanalytik.com.

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