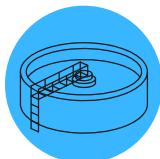




AAPTurb-800S

Turbidity Sensor



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AAPTurb-800S

Turbidity Sensor

The AAPTurb-800S 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 AAPTurb-800S is a user-friendly solution with plug-and-play installation, making it suitable for a wide range of applications in different industries.



Product Features

- Dual-Beam Infrared Scattered Light Photometer Detection:** Utilizes cutting-edge technology for accurate and stable measurements.
- Built-in Self-Diagnosis Function:** Ensures data accuracy and reliability by constantly monitoring sensor performance.
- 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.
- ISO7027 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-Play Sensors:** Enables quick and straightforward installation, ensuring hassle-free setup and operation.

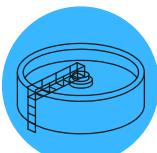
AAPTurb-800S

Technical Specifications

General Information	
Model	AAPTurb-800S
Dimensions	Sensor: Diameter: 60mm, Length: 261mm Transmitter: 145mm x 125mm x 162mm (L x W x H)
Weight	Sensor: 1.65KG Transmitter: 1.35KG
Protective Rating	Sensor: IP68/NEMA6P Transmitter: IP65/NEMA4X
Measurement Specifications	
Measurement Range	Turbidity: 0.01-100 NTU , Turbidity: 0.01-4000 NTU
Measurement Accuracy	Less than ±2% of the measured reading or ±0.1NTU, whichever is greater
Resolution	0.01~0.1NTU, based on range
Repeatability	±2%
Pressure Range	≤0.4 Mpa
Flow Rate	≤2.5m/s, 8.2ft/s
Temperature Specifications	
Storage Temperature	-15-60°C
Measuring Temperature	0-45°C (Non-freezing)
Electrical Specifications	
Power Supply	AC: 85-500VAC (50/60HZ), DC: 9-36VDC
Output	3-way 4-20mA
Relay	Three-way relays, programmed response parameter and response value
Communication Protocol	MODBUS RS485
Material Specifications	
Body	SUS316L (fresh water), Titanium alloy (Ocean marine)
Cover	PPS+ glass fiber
Cable	PUR
Installation Specifications	
Cable Length	Standard: 10m, maximum extendable length: 100m



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.



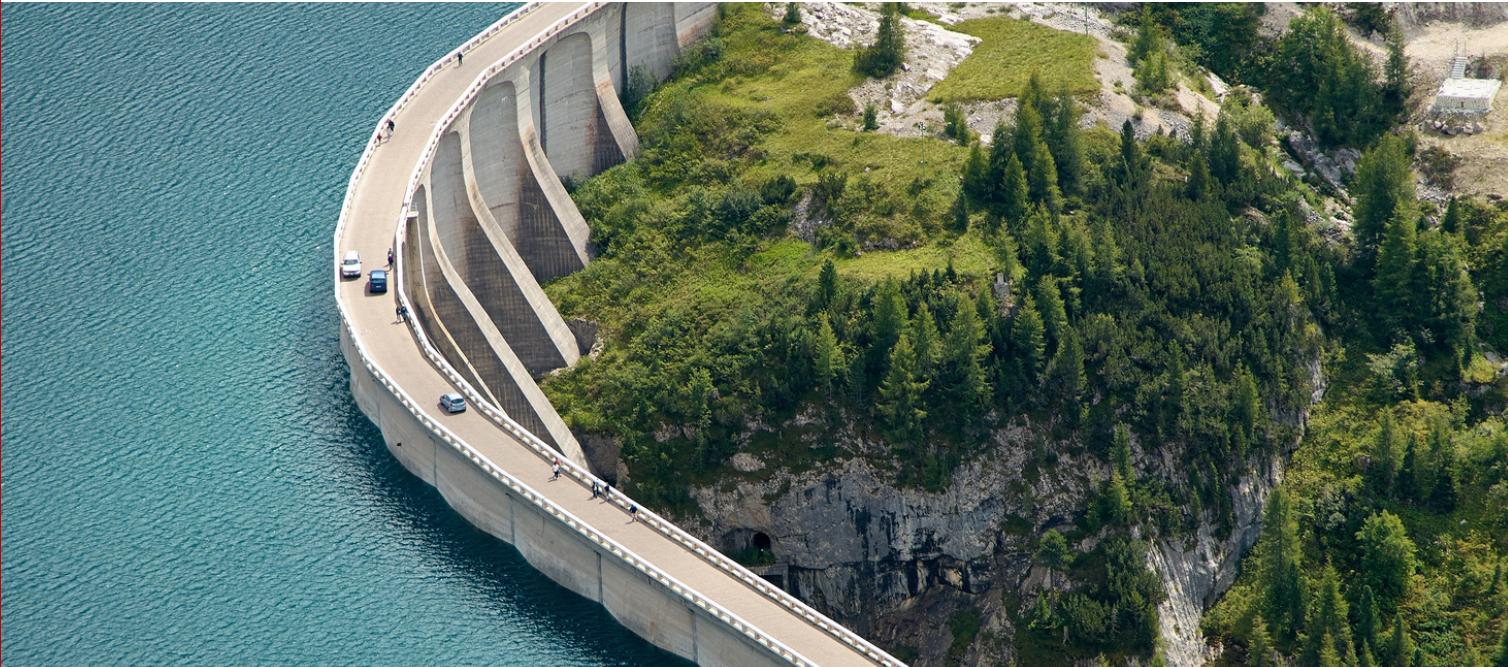
Aquaculture and Fisheries

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 AAPTurb-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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