



AAPSS-800S

Scattered Light Photometer Sensor

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The AAPSS-800S Scattered Light Photometer Sensor is a highly capable solution designed for precise and reliable measurements in a variety of environments. This sensor employs advanced technology and robust construction to offer a wide measurement range and high accuracy. With features like plug-and-play installation and versatile communication protocol, it seamlessly integrates with other equipment, while its self-diagnosis function ensures data accuracy and reliability. Its compact design, optional automatic cleaning, and adherence to ISO7027 Standard Method make it a versatile choice for accurate measurements in fresh water and marine applications.



Product Features

1. Dual-Beam Infrared Scattered Light Photometer Detection: Utilizes advanced technology for accurate and stable measurements.
2. Built-in Self-Diagnosis Function: Ensures data accuracy and reliability.
3. Plug-and-Play Sensors: Quick and easy installation for user convenience.
4. Optional Automatic Cleaning Function: Reduces sensor maintenance and enhances usability.
5. ISO7027 Standard Method: Employs Infrared light scattering technique to eliminate sample color effects.
6. Digital Sensor: High anti-jamming capacity for reliable performance in noisy environments.
7. Standard Digital Signal Output: Enables integration and networking with other equipment without a controller.

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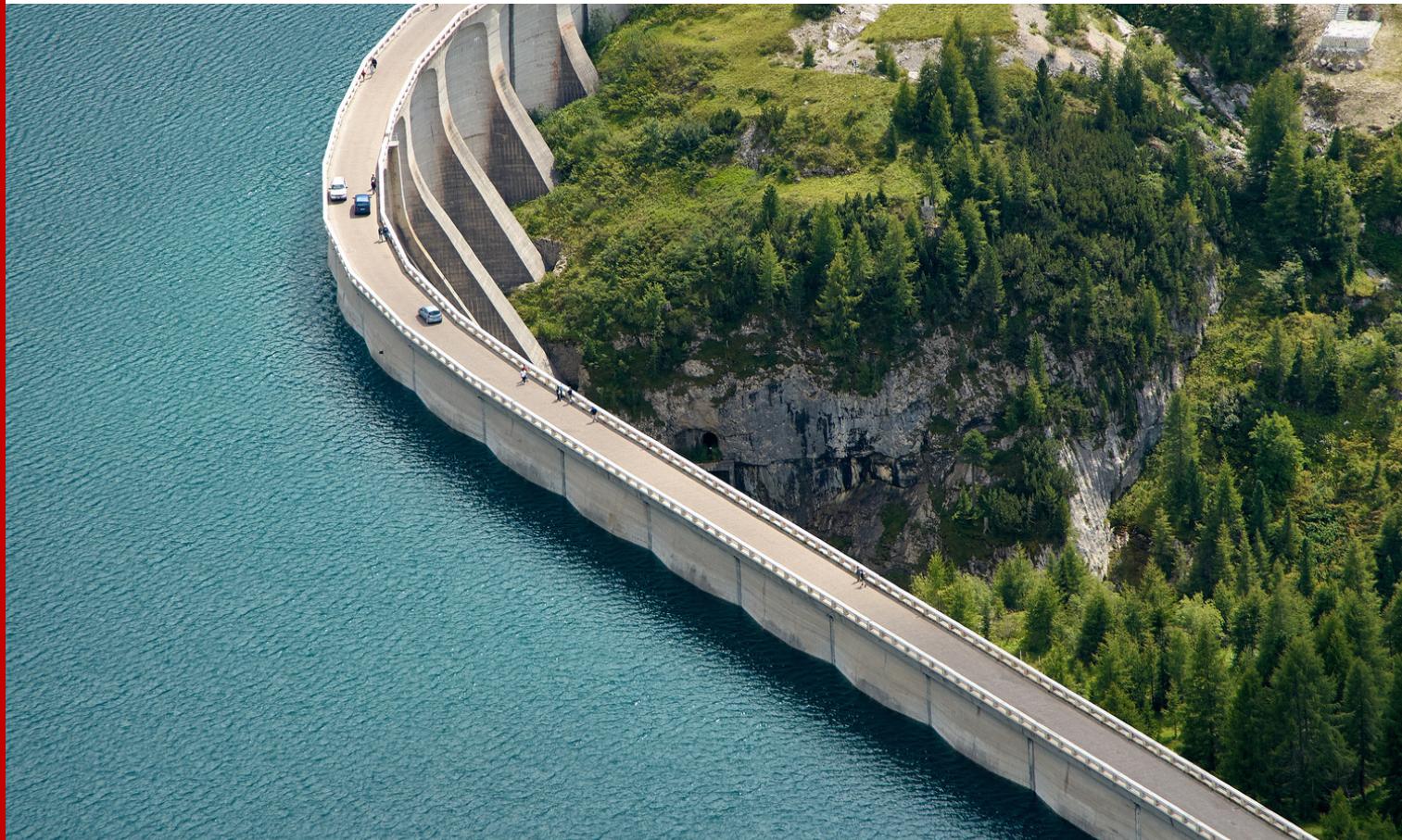
Technical Specifications

General Information	
Model	AAPSS-800S
Dimensions	Diameter: 49.5mm, Length: 251.5mm
Weight	1.4KG
Protective Rating	IP68/NEMA6P
Measurement Specifications	
Measurement Range	0.01-20000 mg/L 0.01-45000 mg/L 0.01-120000 mg/L
Measurement Accuracy	Less than ±5% of measured value (Depending on the homogeneity of sludge)
Resolution	0.01-1mg/L, 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
Electrical Specifications	
Main Material	Body: SUS316L (fresh water), Titanium alloy (Ocean marine)
Cover	PPS+ glass fiber
Cable	PUR
Electrical Specifications	
Cable Length	Standard: 10m, maximum extendable length: 100m



APPLICATIONS

- Suitable for precise measurements in diverse environments
- Ideal for applications requiring accurate and stable measurements
- Compatible with various industries and applications

**Note -**

This data sheet serves as general information about the AAPSS-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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