AAPBGA-800A

Blue-Green Algae Sensor

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ADVANCE ANALYTIK AAPCPHL-800A

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Blue-Green Algae Sensor

The AAPBGA-800A is an advanced sensor engineered for precise monitoring of Blue-Green Algae in water. With a wide measurement range of 200 to 300,000 cells/mL and an accuracy of ±5%, it ensures reliable detection of algae levels. This compact sensor features a durable design, 3-way 4-20mA output, MODBUS RS485 communication, and various features to facilitate seamless integration with compatible controllers. It's ideal for multipoint monitoring of uneven algae distribution, contributing to environmental monitoring and water quality assessment.

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Product Features

- **Fluorescent Measuring Target Parameter**: Early identification of Blue-Green Algae before water bloom impact.
- **Rapid Detection**: Fast and direct algae detection without sample extraction.
- **Digital Sensor with High Anti-Jamming Capacity**: Reliable performance in noisy environments.
- **Far Transmission Distance**: Seamless data transmission over long distances.
- **Standard Digital Signal Output**: Easy integration with other equipment.
- **Plug-and-Play Sensors**: Quick and effortless installation.

AAPCPHL-800A

Technical Specifications

Basic Specifications	
Model	AAPBGA-800A
Measurement Range	200—300,000 cells/mL
Measurement Accuracy	±5% of 1ppb RhodamineB Dye
Resolution	20 cells/mL
Communication Protocol	MODBUS RS485
Physical Attributes	
Main Material	SUS316L + PVC (Body), POM (Cover), PUR (Cable)
Protective Rate	Sensor: IP68/NEMA6P, Transmitter: IP65/NEMA4X
Pressure Range	≤0.4Mpa
Dimension/Weight	Sensor: Dia 30mm * L 223mm, 0.55KG
	Transmitter: 145125162mm, 1.35KG
Cable Length	Standard: 10m, extendable to 100m
Operating Parameters	
Power Supply	DC 6~12V, current < 50mA
Storage Temperature	-15-50°C
Measuring Temperature	0-45°C (Non-freezing)

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APPLICATIONS

Water Treatment Plants
Maintain filtration efficiency by monitoring algae levels.

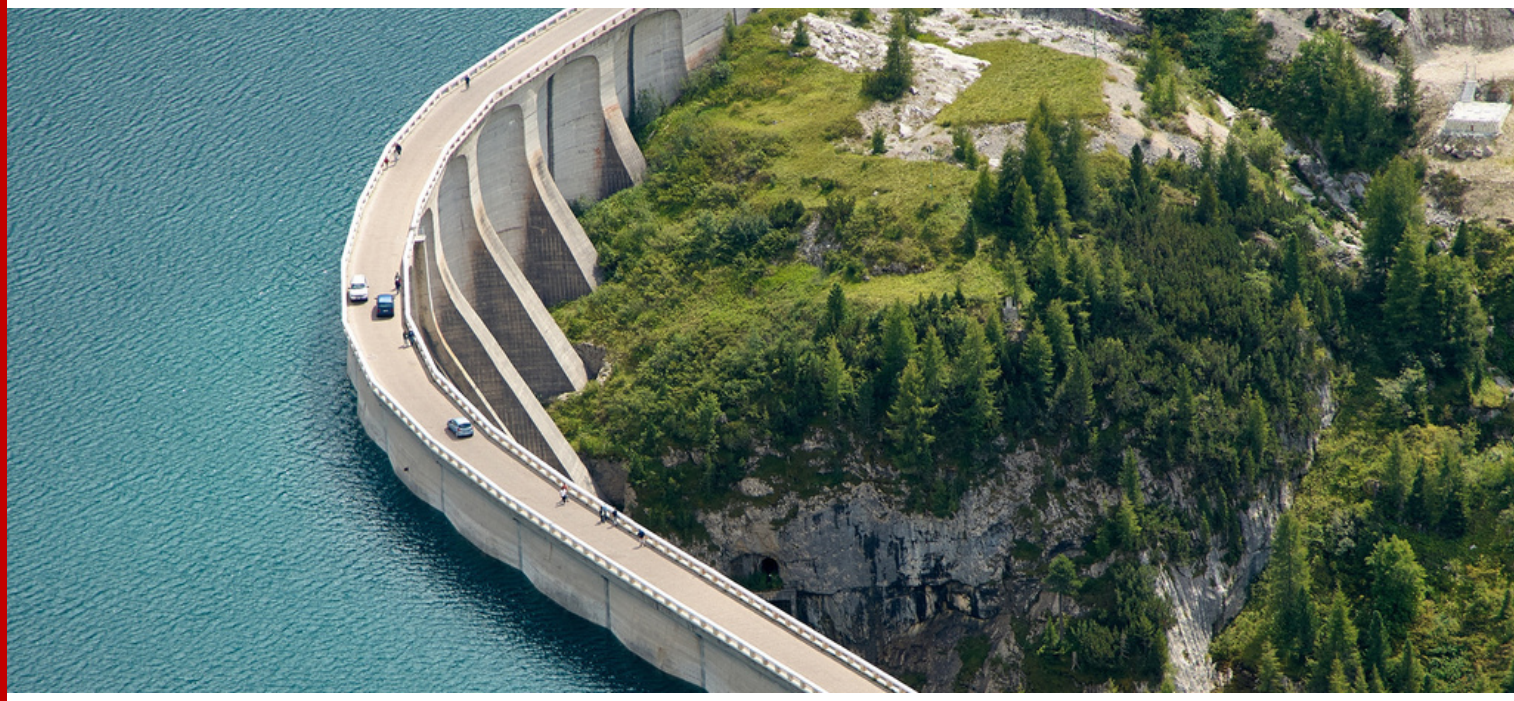
Agricultural Water Management
Control algae in reservoirs for crop irrigation.

Aquaculture
Optimize aquatic conditions, ensure healthy fish growth.

Recreational Water Bodies
Monitor algae in lakes, ponds for safe recreation.

Environmental Monitoring
Detect harmful algal blooms, support ecosystem health.

Research Institutions
Study algal behavior and distribution for research purposes



Note -

This data sheet serves as general information about theAAPCPHL-800A. 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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