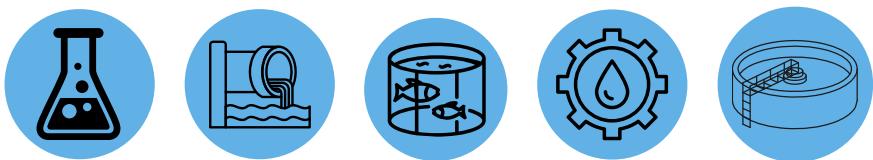




# PPH-500A

pH Sensor



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# PPH-500A

## pH Sensor

Introducing the PPH-500A pH Sensor, a durable and precise solution for measuring pH levels. Crafted with high-quality materials including a PPS shell and a glass core electrode, it ensures accurate readings across a wide pH range of 0-14. Offering a resolution of 0.01 pH and an accuracy of  $\pm 0.1$  pH, it guarantees reliable results. The sensor is equipped with temperature sensing capabilities, ranging from -10 to 110°C with a resolution of 0.1°C. Its compact design, 12V DC power supply, and IP68 water protection make it versatile for various applications. The standard cable length is 10m, extendable up to 200m. Rely on our PPH-500A pH Sensor for precise pH measurements in diverse environments.



## Product Features

- Power supply and output isolation design ensures electrical safety.
- Built-in protection circuit for power supply and communication chip, offering strong anti-interference ability.
- Comprehensive protection circuit design for reliable operation without additional equipment.
- Circuit part designed within the electrode for easy installation and operation.
- RS-485 transmission interface, MODBUS-RTU communication protocol, enabling two-way communication and remote command reception.
- Provides more electrode diagnostic information for intelligent insights.
- Integrated internal memory for storing calibration and setting information.

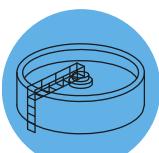


# PPH-500A

## Technical Specifications

Basic Specifications	
Main Material	Shell: PPS; Cable: PVC; Electrode: Glass core
Measurement Range	0-14 pH
Resolution	0.01 pH
Precision	±0.1 pH
Repeatability	±0.1 pH
Temperature Range	-10-110°C
Temperature Resolution	0.1°C
Temperature Precision	0.5°C
Pressure Range	0-0.1MPa
Applicable Temperature	0-60°C (Non-freezing)
Power Supply	12V DC
Dimension	Dia. 26mm*Length 166mm
Water Protective Rate	IP68 (Protective casing)
Cable Length	Standard: 10m, maximum extendable to 200m

## APPLICATIONS



### Water Treatment Plants

Monitor pH levels for effective water treatment processes.



### Hydrological Monitoring

Assess pH in natural water bodies to understand ecological conditions.



### Wastewater Treatment

Ensure proper pH levels in wastewater treatment systems.



### Swimming Pools and Fish Ponds

Maintain optimal pH for safe water conditions.



### Chemical and Biological Applications

Utilize pH measurements for various industrial and research processes.

#### Note -

This data sheet serves as general information about the PPH-500 . 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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