

PPH-500A Digital pH sensor

Measurement Principle

The pH sensor uses a composite electrode in which a glass indicating electrode and a reference electrode are combined to measure the pH of the water.

Features

- ❖ Power supply and output isolation design to ensure electrical safety.
- ❖ Power supply and communication chip built-in protection circuit, strong anti-interference ability.
- ❖ With a comprehensive protection circuit design, it can work reliably without additional equipment.
- ❖ The circuit part is designed inside the electrode, the environment is well tolerated, and the installation operation is easier.
- ❖ RS-485 transmission interface, MODBUS-RTU communication protocol, two-way communication, can receive remote commands.
- ❖ Output more electrode diagnostic information, more intelligent.
- ❖ Internal integrated memory, memory calibration and setting information can be memorized.

Applications

It is widely used in pH monitoring in water treatment, hydrological monitoring, wastewater treatment, swimming pools, fish ponds and fertilizers, chemicals, and biology.



Technical Specifications

Sensor Main material	Shell: PPS; Cable: PVC; Electrode: Glass core
Measurement range	0-14pH
Resolution	0.01pH
Precision	±0.1pH
Repeatability	±0.1pH
Temperature range	-10-110℃
Temperature resolution	0.1℃
Temperature precision	0.5℃
Pressure range	0-0.1Mpa
Applicable Temperature	0-60℃ (Non-freezing)
Power supply	12VDC
Dimension	Dia. 26mm*Length166mm
Cable length	Standard: 10 m, the maximum can be extended to 200M