

ORP Water Quality Sensor

WQS-ORP Series



Overview

The water quality sensor (redox potential sensor) adopts the electrode principle, can measure the redox potential, can react to the water samples redox strength, the sensor is widely used in water, pipe network, medical wastewater and other fields, can provide customers with accurate and efficient monitoring.



Main Features

- Electrodynamic measurement, no pollution, friendly to the environment
- Quick measurement, the shortest measurement cycle is 1 second
- RS485 communication mode, can quickly connect to the meter head, control the sensor
- IP68 protection grade, can be used in harsh environments
- Low power consumption, can be powered by battery, convenient for equipment deployment

Specifications

Principle	Glass electrode method	Pressure	0.5 bar
Dimension	φ25×226 mm	Installation	Submerged, flow-through
Power requirements	DC+12 V ~ +24 V	Sample flow rate	200-500 mL/min
Operating temperature	2 to 45 °C	Communication	RS485(Modbus RTU), Bluetooth





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Parameter information

Parameter	Model No.	Range	Resolution	Accuracy
ORP	WQS-ORP	-1500 mV~+1500 mV	1 mV	±20 mV
Temperature	WQS-ORP	0-50 °C	0.1 °C	±1 °C

Model	Description	IP rating	Application
WQS-ORP-S01	5 pole aviation plug with water-proof connection thread	IP65	
WQS-ORP-S11	Cable extending directly with waterproof connection thread	IP68	
WQS-ORP-P01	5 pole aviation plug	IP65	
WQS-ORP-P11	Cable extending directly	IP68	

Application



Drinking water and pipeline water quality monitoring



Swimming pool disinfectant monitoring



Medical wastewater, disinfected wastewater monitoring



Other industrial water, cooling water and other monitoring

Electrodes