

Free Chlorine Water Quality Sensor

WQS-CI-C Series



RoHS

CE

Overview

The free chlorine water quality sensor based on the principle of constant voltage method measurement, can continuously and accurately determine the Free Chlorine or chlorine dioxide of water samples, without consuming any reagent, or replacing the diaphragm and electrolyte. Measuring range: 0-2mg/L, 0-5mg/L, 0-20 mg/L. DC12 V-DC24 V power supply, RS485 Modbus RTU communication.

The free chlorine sensor is widely used in water supply, secondary water supply, municipal network, disinfection process and other fields to provide customers with reliable monitoring data.



Main Features

- No need for any reagents
- No need to change diaphragms and electrolyte Easy to install
- Low maintenance cost
- Zero-point stability

Specifications

Principle	Double platinum ring, constant voltage method	Pressure	1 bar
Dimension	φ25×196 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
Free Chlorine	WQS-CI-C	0-2mg/L,0-5mg/L,0-20mg/L	0.001mg/L	±3%F.S.
Temperature	WQS-CI-C	0-50°C	0.1 °C	±1°C

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

Application



Pipe system



Waterworks,
Disinfection Process



Secondary Water
Supply