



PRODUCT OVERVIEW

WATER QUALITY ANALYSIS EQUIPMENT

MAC Sensor Co.,LTD.

Changsha City,Hunan,China

<http://www.macsensor.com>

TEL: +86-731-89975636 / 89975645

Residual Chlorine Sensor



Model : C20

Working principle

The reference **C20** electrode silver/silver chloride electrode is encapsulated in the sealed electrolyte cavity, the working electrode gold electrode is directly in contact with the solution to be tested, and the reference electrode completes charge exchange with the external solution through conductive rubber. The chlorine in the solution is reduced directly on the surface of the working electrode to form a current which is directly proportional to the residual chlorine in the solution.

Features

- No diaphragm
- Gold probe
- Easy installation
- Fast response
- Highly sensitive
- Standard two-wire structure

Technical parameters

Basic Parameters	Residual Chlorine Electrode
Model	C20
Measurement Element	Residual Chlorine
Material	Delrin, PTFE, Gold, Silver, Conductive Rubber
Accuracy	±1% of measuring range
Response Time	1-60s
Working Temperature	1~50℃
Working Life	1year(Electrolyte)
Output	4-20mA
Input	12-24V
Velocity of Flow	20-40l/hr
Connection	2 wire connection
Measurement Range	0-0.5/2/5/10/50ppm or customize
Calibration	Slope Calibration

Compare

Suppliers	Macsensor Residual Chlorine Sensor	other suppliers
Structure	without diaphragm	with diaphragm
Feature	non-clogging	Easily clogged
	easy to clean	difficult to clean
	Diaphragm don't need to be replaced	Diaphragm needs to be replaced periodically
Benefit	Free maintenance	High maintain cost

How to maintain?

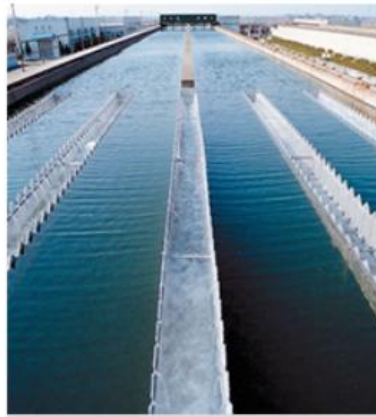
1. Calibration: DPD
2. Surface of working electrode: Brush the surface with a small brush every month
3. Replace the electrolyte: In general, it needs to be replaced every three months. If the measured value is $\pm 5\%$ offset, you need to consider replacing the electrolyte.

Application

Suitable for drinking water, industrial process water disinfection technology residual chlorine concentration online monitoring, can also be used for swimming pools and other places chlorine concentration measurement.



Sewage Disposal



Waterworks



Swimming Pool