

Digital Sensor Series

CS5530CD

Digital Free Chlorine Sensor

Review

CS5530CD digital free chlorine sensor adopts advanced non-film voltage sensor, no need to replace the diaphragm and agent, stable performance, simple maintenance. It has the characteristics of high sensitivity, rapid response, accurate measurement, high stability, superior repeatability, easy maintenance and multi-function, and can accurately measure the free chlorine value in solution. It is widely used for automatic dosing of circulating water, chlorination control of swimming pool, continuous monitoring and control of residual chlorine content in water solution of drinking water treatment plant, drinking water distribution network, swimming pool and hospital wastewater.

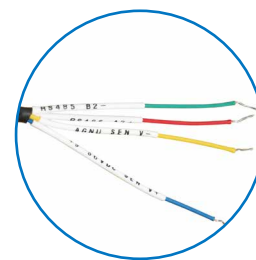
Features



With potentiostatic method measurement, the bimetal ring extends the service life, accelerates the response time and the signal is stable.



The electrode shell is made of glass + POM material, which can withstand high temperature of 0~60°C.



The lead adopts high-quality four-core shielding wire for residual chlorine sensor, and the signal is more accurate and stable.



Temperature
Compensation



Waterproof
IP68



Double
Salt Bridge System



No Reagent
pollution-free



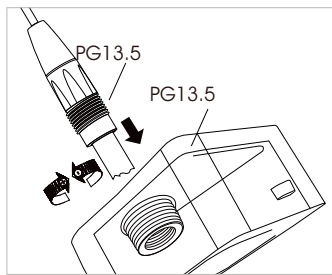
High integration
Reliable anti-jamming



RS-485(Modbus/RTU)
Signal output

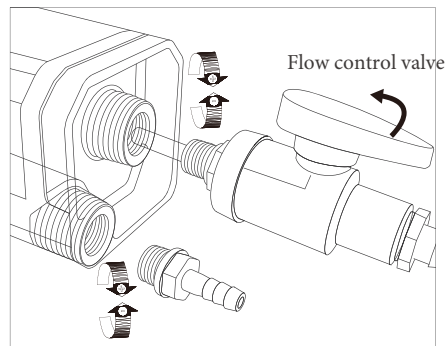


Installation



Material	Polycarbonate
Port	PG13.5 or 3/4"NPT fitting
Inlet and outlet	1/4"NPT
Connecting pipe	10x6.5 mm tubing
Temperature	0-50 °C
Pressure	0-3bar
Dimension	83(L)X69(W) x 230(H) mm

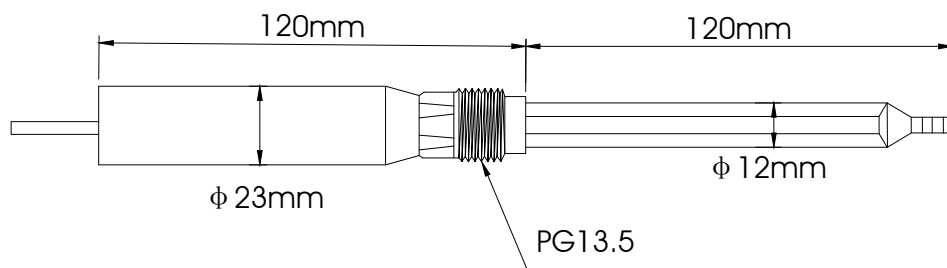
(Used with airtight flow tank)



This flow is designed for the measurement of residual chlorine by potentiostatic method and can also be combined with other sensors. The design principle allows the sample to pass through the electrode position at a constant speed through the check valve to adjust the flow rate



Dimension



Parameter

Specification	Configuration
Power Supply	9~36VDC
Output Signal	RS485 MODBUS RTU
Measure Material	Double Platinum Ring / 3 Electrode
Housing Material	Glass+POM
Waterproof	IP68
Measure Range	0-2mg/L; 0-10mg/L; 0-20mg/L
Measure Accurate	$\pm 1\%FS$
Pressure Range	$\leq 0.3\text{Mpa}$
Temperature	None or NTC10K
Temperature Range	0-60°C
Calibration	Sample calibration, chlorine-free water calibration, comparison calibration
Connection	Four-core cable
Cable Length	standard 10 m cable or extend up to 100 m
Thread	PG13.5
Application	Tap water, pool water, etc