

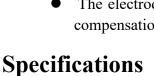
Hyphive Smart Sensors Technology Co. LTD.

Sensors on Focus

Residual Chlorine - Total Chlorine Electrode

Features

- Fast electrode response and stable performance, applicable in various working conditions such as tap water, swimming pools, SPA, and medical wastewater environments.
- Independently developed sensitive sensor membrane and internal filling solution (IFS), ensuring the electrode cap and electrodes can be OEM/ODM and continuously upgraded.
- Electrode housing materials can be selected from stainless steel, titanium alloy, or PVC to others on request.
- The working electrode uses a large area of gold to ensure stable electrode signals.
- The electrode integrates intelligent measurement components, providing automatic temperature compensation and automatic compensation for pH 4-12.



Measuring method	Membrane-covered three-electrode technology;
	Lower limit 0.01mg/L
	Working electrode: Au
Measuring range	Free Chlorine/Total Chlorine/Chlorine Dioxide: 0-2mg/L;
	0-10mg/L; 0-20mg/L (OEM/ODM available)
Resolution	0.01mg/L
Accuracy	Free or Total Chlorine: ±2% (full measurement range)
	Temperature: ± 0.1 °C
Response time	T90<120 seconds
Temperature compensation	0-50°C auto temperature compensation (ATC)
Working conditions	Pressure: max.1atm.
	pH range: pH 4-pH 12
Installation	Flow cell with optimum flow speed 100-1000 mL/min
Applications	Drinking water plants for monitoring total chlorine and
	residual chlorine
	Monitoring residual chlorine and total chlorine in biomedical waste, swimming pools and SPAs
	waste, swimming pools and SFAs
Wet materials	Housing: PVC/Titanium/SS316L (OEM/ODM optional)
	Sensor membrane: PVC/SS316L/PEEK
Signal output	Modbus-RS485 (4-20mA available)
Calibration	DPD-1: standard for Free Chlorine measurement
	DPD-4: standard for Total Chlorine measurement
Power consumption	Ultralow <0.5W (@12VDC)

