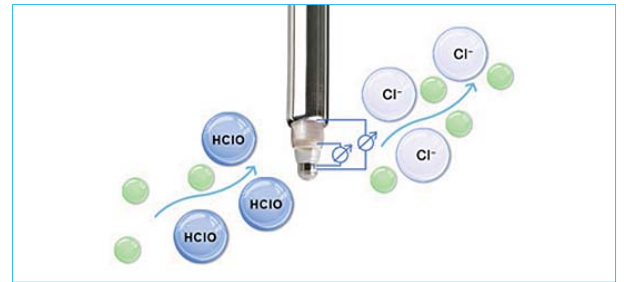


# FCL5000 Versatile

**Free Chlorine Controller / Transmitter with pH Compensation**



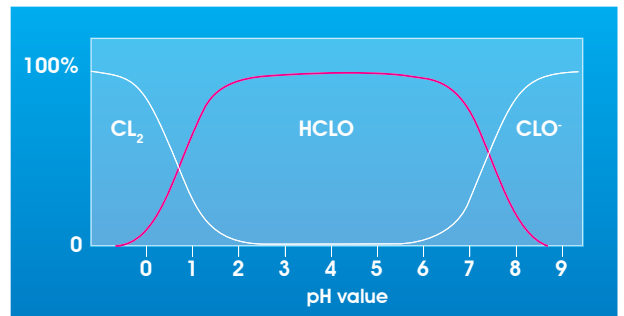
At different pH values, Chlorine forms different species in water. For a reliable free chlorine measurement, it's necessary to take pH and temperature compensation into account.



Free chlorine sensor works with hypochlorous acid

## Specification

pH	Range	2.00~12.00pH	
	Resolution	0.01pH	
	Accuracy	±0.01pH	
Free Chlorine	Range	0~2.000mg/L or 0~20.00mg/L	
	pH compensation	2.00~9.00pH	
	Resolution	0.001mg/L or 0.01mg/L	
/ Hypochlorous Acid	Accuracy	1%±1LSD	
	Temperature	Range	-10.0-110.0 °C
		Resolution	0.1 °C
Accuracy		±0.3 °C	
Signal Output	Temperature Sensor	NTC22K / PT1000	
	Temp. Compensation	Automatic -5.0 - +100 °C	
	Signal Output	4-20 mA (Adjustable)	
	Current Accuracy	1% F.S.	
Data interface	Load	< 500 Ω	
	RS485	Yes	
Relay Output	On/Off	2 SPST Relays	
	Output	2.5A 230 VAC	
	Cleaning/Alarm Relays	1X 2.5A	
Others	Power	85~260 VAC or 24 VDC	
	Working Temperature	0~60 °C	
	Humidity	< 90%	
	IP Rated	IP65	
	Installation	Panel Mounting	
	Dimensions	(H×W×D) 108×108×158 mm	
	Panel Cut Size	94.5×94.5 mm	
	Weight	0.6 kg	



pH influence on the Free Chlorine measurement

## CS5520 Free Chlorine Sensor

Process Free Chlorine Electrode with stainless steel body,  
Range: 0 to 2.000 mg/L, 0 to 20.00 mg/L,  
Work Temp: 0 - 50°C  
Translation: 2µA/ppm,  
Length: 120mm,  
Dia: 13\*120mm,  
Translation: Cable: 3m, tinned open-ended.

