

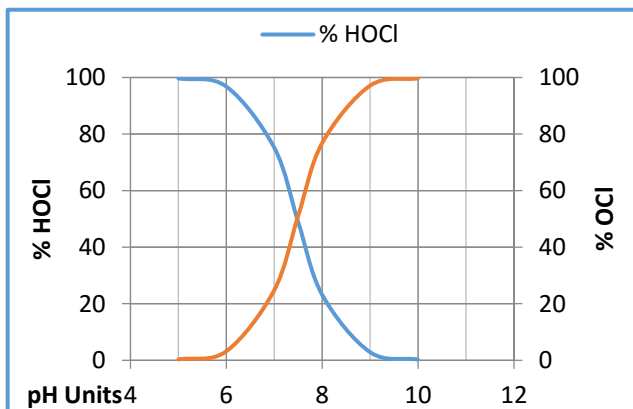
CROSS SMART SENSOR

FC7: Free Chlorine Sensor

Digital technology for optimized measures



The FC7 is a panel mounted, ready to use Free Chlorine Sensor. It is designed to monitor free chlorine in drinking water, rinse water, cooling water or other fresh water samples from 0.05~10ppm Cl_2 as the standard range or 0.01~5.00ppm with the low range sensor. The FC7 is compliant with EPA method 334.0 for measuring drinking water.



Free chlorine exists in solution as pH dependent ratio of hypochlorous acid (~100% at pH 5) and hypochlorite ion (~100% at pH 10). Free Chlorine is the sum of the Hypochlorous acid and Hypochlorite ion in the sample. The Free Chlorine Sensor measures only the hypochlorous acid component of the free chlorine and the analyzer calculates the balance using either the measured or a user defined fixed value. The use of the pH sensor provides accurate compensation for samples between pH 6 and pH 9.5 and eliminates the need for an expensive sample conditioning system to control the pH of the solution.

Cross Smart Sensor

SPECIFICATIONS	
Range	(0.05~5.00/10.00)mg/l, ppm
Accuracy	0.01mg/l (0~0.5)mg/l, ppm 0.02mg/l (0.5~2)mg/l, ppm 0.1mg/l (2~5)mg/l, ppm 0.2mg/l (5~10)mg/l, ppm
Resolution	0.01mg/l
Repeatability	±1%FS
Auto Temp. compensation	0~65°C
pH compensation	5~9pH
Electrodes	Cathode Pt, Anode Cu
Sample flow rate	2.5l/min
Operate Pressure	1~14.7bar
Operate Temp.	0~65°C
Response Time	T90<3s
Water Proof	IP68
Temp. Sensor	Pt100
Temp. Range	0~65°C
Temp. Accuracy	±1°C
Output	RS485 Modbus RTU
Material of housing	PP

ORDERING INFORMATION

FC7 Free Chlorine Sensor with panel and flow cell			
	-L	Low range for 5ppm	
	-H	High range for 10ppm	
		-	No pH compensation
		-PH	with pH compensation and output
		-C10	10" cable
		-C20	20" cable
		-C30	30" cable
			Other length contact factory.
FC7	-L	-PH	-C30

<p>GDC-01/02 Transmitter Single or dual-channels</p> 	<p>GDC-04/06/08 Controller Multi-channels up to eight</p> 	<p>GDC-Ex Transmitter Single channel Ex-proof</p> 
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