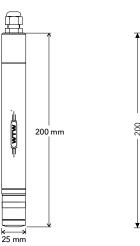
Analog chlorine sensors -**___*******

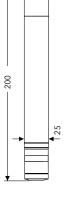


For free and total chlorine

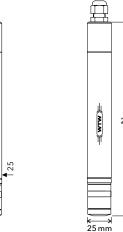
The electrochemical WTW chlorine sensors can be applied for measurements in drinking water or swimming pools. Connectable via MIQ/IDS module to the IQ SENSOR NET or directly to the controller Cl 298.

We would like to inform you about the application range on our website





200



—(<u>mtm</u>)—	200	mm
↓ 25 mm		Z
25 mm		

Model	FCML 412 N	FCML 412-M12-2	FCML 412-M12-20	TCML N	
Measuring principle	Amperometric			÷	
Measured value	Free chlorine			Total chlorine	
Measuring range	0.01 2.00 mg/l Cl ₂	0.005 2.000 mg/l Cl ₂	0.05 20.00 mg/l Cl ₂	0.01 2.00 mg/l Cl ₂	
Response time	t ₉₀ approx. 120 s				
Minimum flow rate	Recommended minimum flow rate in flow cell D 19: 15 l/h, or alternatively in flow cell D-CL: >30 l/h				
Temperature measurement	0 45 °C				
Temperature compensation	Automatically via integra	ated sensor			
pH range	4 9			4 12	
Polarization time	Approx. 1 hour after new installation or change of electrolyte				
Calibration method	1-point-calibration (according to DPD method as reference)				
Pressure resistance	3 bar				
Electrical connection	2-wire-connection*	M12 plug**	M12 plug**	2-wire-connection*	
Certifications	CE, UKCA			÷	
Mechanical	Membrane cap: P Working electrode: G Reference electrode: A Cable connection: P	VC VC Gold Ig/AgCl Iolyamid 264			
Weight	Approx. 0.5 kg				
Warranty	½ year with intended use				
* for direct connection to the co	ontroller CL 298				

** Sensor with M12 plug for connection to the IQ SENSOR NET, please order adapter ADA CI/IDS separately

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Model	Description	Order No.
FCML 412 N Chlorine electrode according to electrochemical principle, suitable for measurements of free drinking water and swimming pools. Measuring range: 0-2 mg/l, pH range 4-9, independent 1 Please order cable separately.		201187
FCML 412-M12-2	Chlorine electrode according to electrochemical principle, measuring range: 0-2 mg/l, pH range 4-9, independent from pH value (please order adapter to connect with IQ SENSOR NET module MIQ/IDS separately)	
FCML 412-M12-20	ML 412-M12-20 Like FDML 412-M12-2, but with measuring range: 0-20 mg/l (please order adapter to connect with IQ SENSOR NET module MIQ/IDS separately)	
TCML N	CMLN Chlorine electrode according to electrochemical principle, suitable for measurements of total chlorine ir drinking water and swimming pools. Measuring range: 0-2 mg/l. Please order cable separately.	



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