

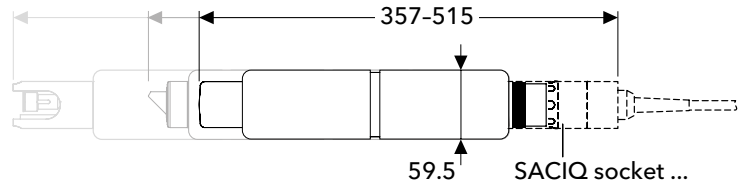


Corrosion-resistant IQ sensors



IQ sensors for use with high salt content (guideline value 500 mg/L chloride), in seawater or brackish water (e.g. desalination plants, fish farming) and in corrosive media in the industrial sector. Also, for installation in pipes.

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



Model	TetraCon® 700 IQ SW	SensoLyt® 700 IQ SW	FDO® 700 IQ SW	FDO® 701 IQ SW	TriOxmatic® 700 IQ SW	VisoTurb® 700 IQ SW	ViSolid® 700 IQ SW
Measuring method	Conductometric	Potentiometric	Optical		Amperometric	Nephelometric principle in compliance with EN ISO 7027	Scattered light measurement
Measuring range	Cond: 10 µS/cm ... 500 mS/cm SAL: 0 ... 70 TDS: 0 ... 200 g/l	Depending on the electrode 0.00 ... 14.00 pH ±2000mV	0.0 ... 20 mg/L; 0 ... 20 %		0.0 ... 60.0mg/L; 0 ... 600 %	FNU: 0 ... 4000 FNU SiO ₂ : 0.1 ... 4000 mg/l TS: 0.0001 ... 400 g/l	SiO ₂ : 0 ... 300 g/l 0 ... 30% TS: 0 ... 1000 g/l 0 ... 100%
Resolution	Depending on measuring range	0.01 pH 1mV	0.01 mg/L; 0.1 %		0.1 mg/L; 1 %	FNU: 0.001 ... 1 FNU SiO ₂ : 0.001 mg/l ... 0.01 g/l TS: 0.001 mg/l ... 1 g/l	SiO ₂ : 0.1 mg/l ... 1 g/l 0.001 % ... 0.01 % TS: 0.1 mg/l ... 1 g/l 0.001 % ... 0.1 %
Accuracy	±2 %; ±1 Digit	±0.2 pH; ±20 mV	Up to ± 0.05 mg/l		±0.1 mg/l; 1 %	<1%	Matrix type I: < 2% Matrix type II: < 4%
Cell Constants	K = 0,917 cm ⁻¹	-					
Pressure Resistance	10 bar; when used with EBST/SW: 3 bar up to 40 °C						
Ambient Conditions	-5 ... +60 °C 4 ... 12 pH	0 ... +60 °C 4 ... 12 pH	-5 ... +50 °C 4 ... 12 pH	-5 ... +40 °C 4 ... 12 pH	0 ... 60 °C 4 ... 12 pH	0 ... 60 °C (0 ... 40 °C) 4 ... 12 pH	0 ... 60 °C; 4 ... 12 pH
Certifications	CE, UKCA, cETL, ETL					CE, UKCA	
Mechanical	PVC, POM Protection rating IP 68	PVC, POM Protection rating IP 68	PMMA, PVC, silicone, POM Protection rating IP 68		POM Protection rating IP 68	Sapphire, POM; Titanium; Protection rating IP 68	
Warranty	2 years for defects in quality						
Temp. measurement	-5 ... +60 °C	-5 ... +60 °C	-5 ... +50 °C, ±0.5 °C		-5 ... +60 °C, ±0.5 °C	-	
Response time (t₉₀)	-	-	< 150 s	< 60 s	180 s	-	
Minimum flow rate	-	-	No flow required		0.05 m/s	-	
Details see Data Sheet	D2.04	D2.03	D2.02	D2.01	D2.05	D2.06	

Model	Description	Order No.
TetraCon® 700 IQ SW	Digital 4 electrode conductivity measuring cell (please order cable separately)	302501
SensoLyt® 700 IQ SW	Digital pH/ORP fitting for SensoLyt® electrode, with integrated preamplifier and temperature sensor (please order cable separately)	109171
FDO® 700 IQ SW	Optical O ₂ sensor (please order cable separately)	201652
FDO® 701 IQ SW	like the FDO® 700 IQ SW, but with a faster response time	201653
TriOxmatic® 700 IQ SW	Amperometric oxygen sensor (please order cable separately)	201640
VisoTurb® 700 IQ SW	Digital turbidity sensor with integrated ultrasonic cleaning (please order cable separately)	600011
ViSolid® 700 IQ SW	Digital suspended solids sensor with integrated ultrasonic cleaning (please order cable separately)	600013
SACIQ-20,0 SW	Sensor connection cable for corrosion-resistant IQ sensors, with watertight plug/screw sensor connection IP 68, cable length 20 m	480045
SACIQ-25,0 SW	Sensor connection cable for corrosion-resistant IQ sensors, with watertight plug/screw sensor connection IP 68, cable length 25 m	480066
SACIQ-50,0 SW	Sensor connection cable for corrosion-resistant IQ sensors, with watertight plug/screw sensor connection IP 68, cable length 50 m	480060
SACIQ-SO SW	Sensor connection cable for corrosion-resistant IQ sensors, with watertight plug/screw sensor connection IP 68, cable length selectable (max. 100 m)	480064V
EBST/SW	Flow-through fitting for pipe installation	203758
ADA-DF9/SW	Adapter for EBST/SW	203790



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