



Corrosion-resistant IQ sensors

IQ SENSOR NET: CONTINUOUS MONITORING IN APPLICATIONS WITH CORROSIVE MEDIA,
SUCH AS FISH FARMING, DESALINATION PLANTS AND INDUSTRIAL WASTEWATER



a xylem brand

Applications

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.



Desalination plants

e.g. for purification of seawater for drinking water



Aquaculture

e.g. cages in fjords or in the sea



High salt content

e.g. through the dosing of chlorine in wastewater treatment plants



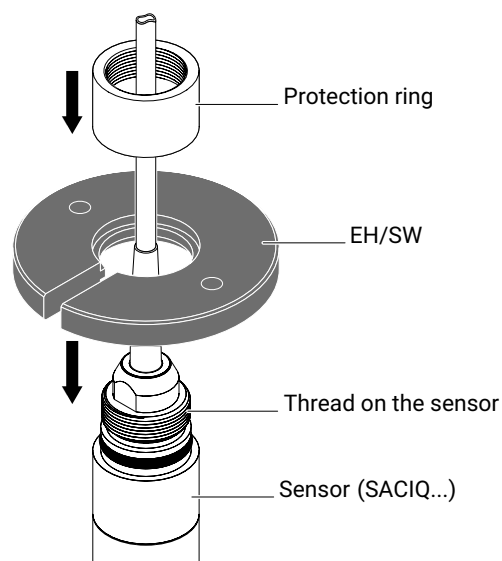
Corrosive media

e.g. in industrial wastewater treatment plants

Installation

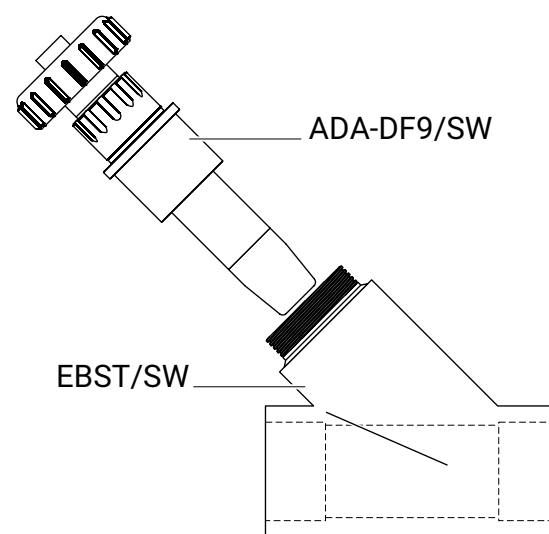
Open tanks

Sensor holder in corrosion-resistant design.



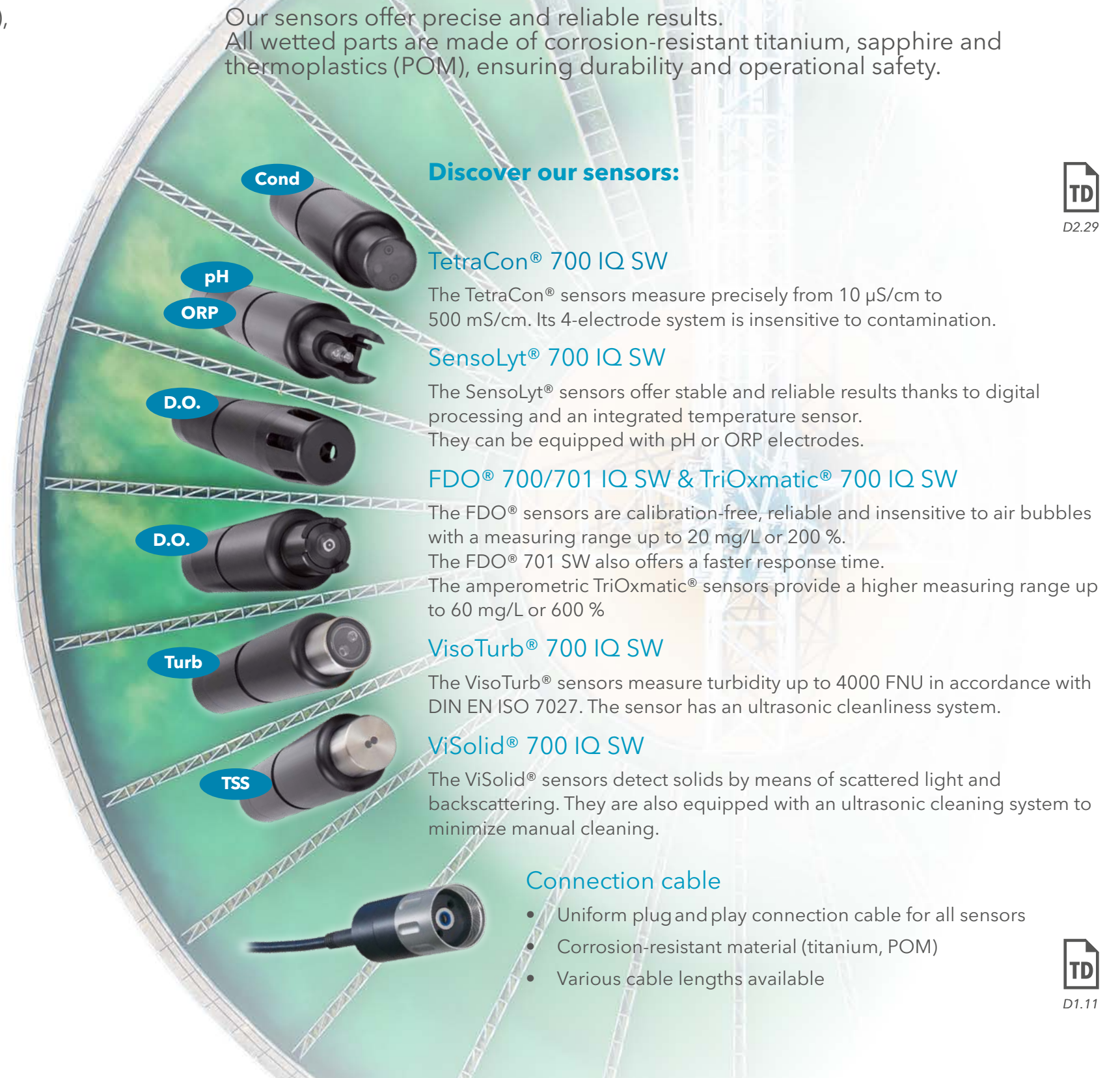
Pipe installation

Installation in pipes up to 3 bars, with PVC flow through armature EBST/SW and adapter ADA-DF9/SW.



Available parameters

Our sensors offer precise and reliable results. All wetted parts are made of corrosion-resistant titanium, sapphire and thermoplastics (POM), ensuring durability and operational safety.



Discover our sensors:

Cond

TetraCon® 700 IQ SW

The TetraCon® sensors measure precisely from 10 µS/cm to 500 mS/cm. Its 4-electrode system is insensitive to contamination.

pH
ORP

SensoLyt® 700 IQ SW

The SensoLyt® sensors offer stable and reliable results thanks to digital processing and an integrated temperature sensor. They can be equipped with pH or ORP electrodes.

D.O.

FDO® 700/701 IQ SW & TriOxmatic® 700 IQ SW

The FDO® sensors are calibration-free, reliable and insensitive to air bubbles with a measuring range up to 20 mg/L or 200 %. The FDO® 701 SW also offers a faster response time. The amperometric TriOxmatic® sensors provide a higher measuring range up to 60 mg/L or 600 %

D.O.

Turb

VisoTurb® 700 IQ SW

The VisoTurb® sensors measure turbidity up to 4000 FNU in accordance with DIN EN ISO 7027. The sensor has an ultrasonic cleanliness system.

TSS

ViSolid® 700 IQ SW

The ViSolid® sensors detect solids by means of scattered light and backscattering. They are also equipped with an ultrasonic cleaning system to minimize manual cleaning.

Connection cable

- Uniform plug and play connection cable for all sensors
- Corrosion-resistant material (titanium, POM)
- Various cable lengths available

You can find all the latest information on our website www.xylymanalytics.com/en/landingpages/sw



D2.29



D1.11



Flexible System - Reliable Results

- Flexible use - data transmission from mA signal to Profinet and remote access via LAN interface
- From compact to expandable - the modular system grows with increasing demands
- One system for all cases - between 1 and 20 sensors can be connected



System 2020 with large display to connect more than 4 sensors.



The system 28X for up to 4 sensors impresses with its compact design and simple installation.

Order information

Model	Description	Order no.
Sensors & cable:		
TetraCon® 700 IQ SW	Digital 4 electrode cond. measuring cell for highly contaminated wastewater, sea water model *	302501
SensoLyt® 700 IQ SW	Digital pH/ORP fitting for SensoLyt® electrodes, with integrated preamplifier and temperature sensor, sea water model *	109171
FDO® 700 IQ SW	Digital calibration-free optical oxygen sensor, with factory calibrated membrane cap SC-FDO® 700, higher resistency to corrosion, sea water model *	201652
FDO® 701 IQ SW	Digital calibration free optical oxygen sensor with faster response time, with factory calibrated membrane cap SC-FDO® 701, higher resistency to corrosion, sea water model *	201653
TriOxmatic® 700 IQ SW	Universal oxygen sensor with higher measurement range, extremely corrosion-resistant, sea water model *	201641
VisoTurb® 700 IQ SW	Digital turbidity sensor with integrated ultrasonic cleaning, sea water model *	600011
ViSolid® 700 IQ SW	Digital suspended solids sensor with integrated ultrasonic cleaning, sea water model *	600013
SACIQ-20,0 SW	SW sensor connection cable, 20 m (further lengths available)	480045
Installation:		
EH/SW	Corrosion-resistant sensor holder	109317
EBST/SW	Flow-through armature up to 3 bars, ADA-DF9/SW needed	203758
ADA-DF9/SW	Adapter for EBST/SW	203790
Controller (selection):		
DIQ/S 281-CR2	Controller for 1 sensor, 2 x mA, 2 x Relays, 230 VAC	472103
DIQ/S 282-PR	Controller for 2 sensors, Profibus, 230 VAC	472111
DIQ/S 284-MOD/24V	Controller for 4 sensors, Modbus RTU, 24 VDC	472142
MIQ/TC 2020 3G-EF	Controller for 20 sensors, Profinet, remote access, 230 VAC	470026

* Please order cable separately to the sensors.