



# Conductivity sensor for wastewater

WIDE MEASURING RANGE, TEMPERATURE COMPENSATED



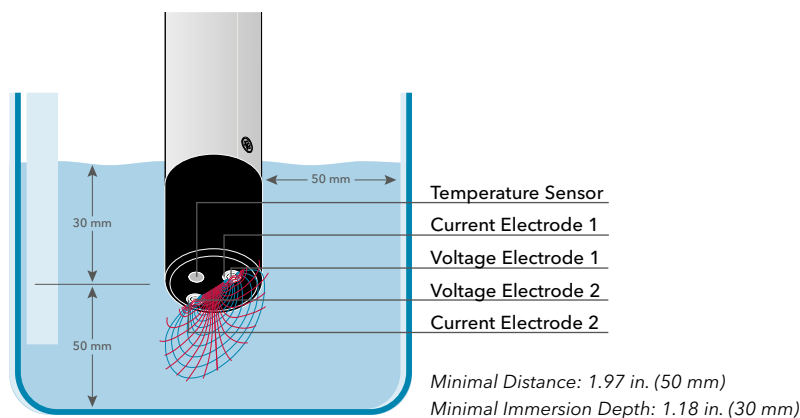
a xylem brand

# Smooth operation, precise results

## Advantages

- Very wide measuring range from 10  $\mu\text{S}/\text{cm}$  ... 500  $\text{mS}/\text{cm}$
- Highest linearity and very insensitive against contamination by 4-electrode system
- Rapid temperature compensation by integrated temperature sensor

The proven measuring technique guarantees an interference-free operation. The 4-electrode measuring cell is very insensitive to contamination. Based on a pressure resistance of up to 10 bars, there is nothing to stop you from pipe mounting.



top left: TetraCon® 700 IQ;  
top right: seawater model TetraCon® 700 IQ SW

left: voltage and current field of the TetraCon® 4-electrode design with two separate electrode pairs

## Technical Data

Model	TetraCon® 700 IQ (SW)	
Measuring principle	Electrochemical	
Measuring range	Conductivity	10 $\mu\text{S}/\text{cm}$ ... 500 $\text{mS}/\text{cm}$
	Salinity	0 ... 70
Cell constant	K = 0.917 $\text{cm}^{-1}$ , $\pm 1.5\%$ (in free solution) K = 0.933 $\text{cm}^{-1}$ , with flow fitting EBST 700-DU/N	
Response time at 25 °C	$t_{90}$ : 180 s	
Temperature measurement	Integrated NTC, -5 ... +60 °C	
Operational temperature	0 ... 60 °C	
Permissible overpressure	10 bar	

For further technical data please see datasheet D2.04.



for Systems  
2020 and  
282/284

[www.iq-sensor.net](http://www.iq-sensor.net)

## Ordering Information

Model	Description	Order No.
TetraCon® 700 IQ	Digital 4 electrode conductivity measuring cell for highly contaminated wastewater (please order cable separately)	302500
TetraCon® 700 IQ SW	Like TetraCon® 700 IQ, but as a sea water model	302501



Xylem Analytics Germany Sales GmbH & Co. KG, WTW · Dr.-Karl-Slevogt-Straße 1 · D-82362 Weilheim · Germany  
Phone: +49 881 183-0 · Fax: +49 881 183-420 · E-Mail: [Info.WTW@Xylem.com](mailto:Info.WTW@Xylem.com) · [www.WTW.com](http://www.WTW.com)

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