

Digital IQ conductivity measuring cells

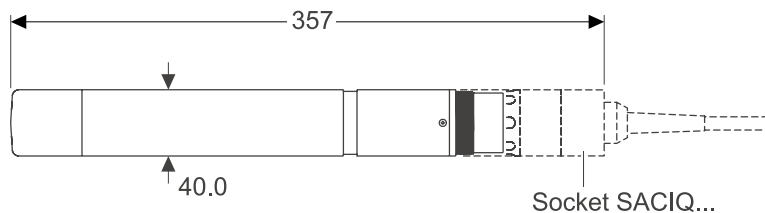
TetraCon®



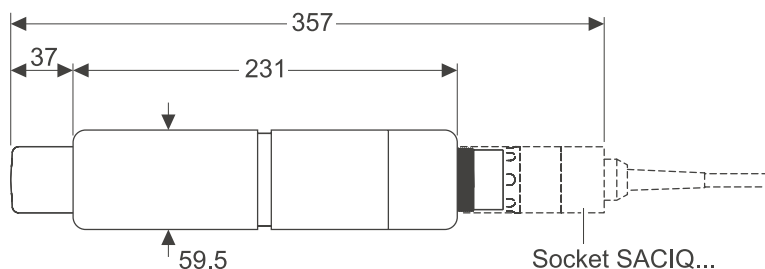
Digital 4 electrode conductivity measuring cell with flow-free operation, especially with high conductivity

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

TetraCon® 700 IQ



TetraCon® 700 IQ SW



Technical Data

Model	TetraCon® 700 IQ	TetraCon® 700 IQ SW*
Measuring method	Conductometric (4-electrode cell)	
Measuring range	Cond: 10 µS/cm ... 500 mS/cm SAL: 0 ... 70 TDS: 0 ... 200 g/l	
Accuracy	± 2 % of measured value ± 1 Digit (in standard solution, 25 °C, with non-linear temp. comp. (acc. DIN 38404))	
Cell Constants	K = 0.917 cm ⁻¹ , ± 1.5% (in free solution) K = 0.933 cm ⁻¹ , TetraCon® 700 IQ with EBST 700-DU/N flow assembly	K = 0.917 cm ⁻¹ , ± 1.5% (in free solution)
Resolution	Depending on measuring range	
Temp. measurement	-5 ... +60 °C (23 ... 140 °F); NTC	
Temp. compensation	linear: 32 ... 140 °F (0 ... +60 °C) nonlinear: +5 °C ... 35 °C (acc. to DIN 38404) nonlinear: +35 °C ... +60 °C (acc. to WTW procedure)	
Pressure Resistance	10 bar	
Ambient Conditions	-5 ... +60 °C (23 ... 140 °F)	
Electrical connections	2-wire shield cable with quick fastener to sensor	
Electromagnetic Compatibility	EN 61326, Class B, FCC Class A; Intended for indispensable operation	
Certifications	CE, cETL, ETL	
Mechanical	Sensor head: PVC Sensor body: V4A stainless steel 1.4571 Protection rating IP 68	
Weight (without cable)	Approx. 1.46 lb (660 g)	Approx. 2.58 lb (1,170 g)
Warranty	2 years for defects in quality	

* SW: Sensor as sea water model (with plastic arming (POM))

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



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