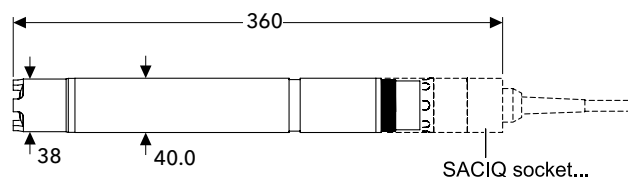


Digital electro-chemical IQ sensors for dissolved oxygen TriOxmatic®

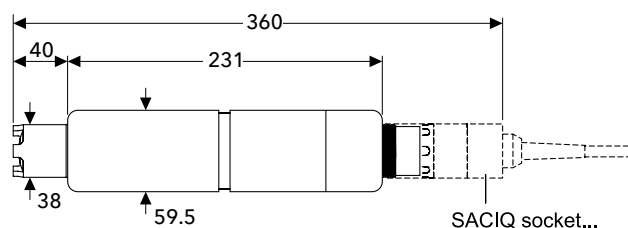
Reliable and proven digital electro-chemical oxygen sensors with 3 electrode system (ECDO) for precise and accurate measurements

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

TriOxmatic® 700 IQ



TriOxmatic® 700 IQ SW



Technical Data

Model	TriOxmatic® 700 IQ	TriOxmatic® 700 IQ SW*	TriOxmatic® 701 IQ	TriOxmatic® 702 IQ
Measuring method	Amperometric			
Measuring range (25 °C)				
O ₂ concentration	0.0 ... 60.0 mg/l		0.00 ... 20.00 mg/l 0.0 ... 60.0 mg/l 0.0 ... 200.0% 0 ... 600%	0 ... 2000 µg/l 0.00 ... 10.00 mg/l 0 ... 110%
O ₂ saturation	0 ... 600%			
Resolution				
O ₂ concentration	0.1 mg/l		0.01 mg/l 0.1 mg/l 0.1% 1%	0.001 mg/l 0.01 mg/l 0.1%
O ₂ saturation	1%			
Accuracy	Depending on calibration ±0.1 mg/l or 1 % (at 0.0 ... 60.0 mg/l)			
Response time at 25 °C	t ₉₀ : 180 s			
Minimum flow rate	0.05 m/s			
SensCheck	SensLeck SensReg	SensReg	SensLeck SensReg	– SensReg
Temp. measurement	Integrated NTC, 23 °F ... 140 °F (-5 °C ... +60 °C) ± 0.5 °C			
Temp. compensation	32 °F ... 140 °F (0 °C ... +60 °C)			
Pressure Resistance	10 bar (incl. sensor connection cable)			
Ambient Conditions	Operating temperature: 32 °F ... 140 °F (0 °C ... +60 °C); Storage temperature: 23 °F ... 149 °F (-5 °C ... +65 °C)			
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	Membrane head assembly, locking cap: POM 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)	Approx. 1.46 lb (660 g)	
Warranty	2 years for defects in quality			

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

Model	Description	Order No.
TriOxmatic® 700 IQ	Universal oxygen sensor for the measurement and regulation of oxygen input in wastewater treatment plants (please order cables separately)	201640
TriOxmatic® 700 IQ SW	Like TriOxmatic® 700 IQ, but as a sea water model	201641
TriOxmatic® 701 IQ	Like TriOxmatic® 700 IQ, but with faster response times	201644
TriOxmatic® 702 IQ	Like TriOxmatic® 700 IQ, but as a trace sensor (ppb area) suitable for pure or boiler feed water	201646