

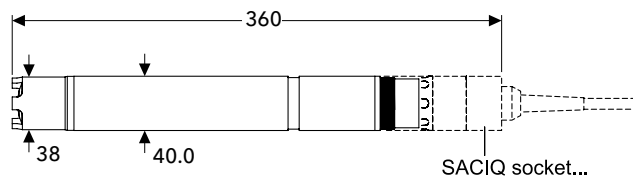
Digital electro-chemical IQ sensors for dissolved oxygen TriOxmatic®



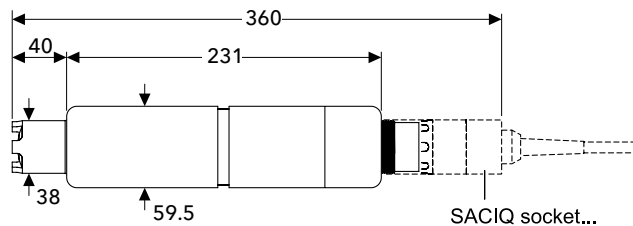
Reliable and proven digital electro-chemical oxygen sensors with 3 electrode system (ECDO) for precise and accurate measurements

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)	<table border="0"> <tr> <td>O₂ concentration</td> <td>0.0 ... 60.0 mg/l</td> <td>0.00 ... 20.00 mg/l 0.0 ... 60.0 mg/l</td> <td>0 ... 2000 µg/l 0.00 ... 10.00 mg/l</td> </tr> <tr> <td>O₂ saturation</td> <td>0 ... 600%</td> <td>0.0 ... 200.0% 0 ... 600%</td> <td>0 ... 110%</td> </tr> </table>				O₂ concentration	0.0 ... 60.0 mg/l	0.00 ... 20.00 mg/l 0.0 ... 60.0 mg/l	0 ... 2000 µg/l 0.00 ... 10.00 mg/l	O₂ saturation	0 ... 600%	0.0 ... 200.0% 0 ... 600%	0 ... 110%
O₂ concentration	0.0 ... 60.0 mg/l	0.00 ... 20.00 mg/l 0.0 ... 60.0 mg/l	0 ... 2000 µg/l 0.00 ... 10.00 mg/l									
O₂ saturation	0 ... 600%	0.0 ... 200.0% 0 ... 600%	0 ... 110%									
Resolution	<table border="0"> <tr> <td>O₂ concentration</td> <td>0.1 mg/l</td> <td>0.01 mg/l 0.1 mg/l</td> <td>0.001 mg/l 0.01 mg/l</td> </tr> <tr> <td>O₂ saturation</td> <td>1%</td> <td>0.1% 1%</td> <td>0.1%</td> </tr> </table>				O₂ concentration	0.1 mg/l	0.01 mg/l 0.1 mg/l	0.001 mg/l 0.01 mg/l	O₂ saturation	1%	0.1% 1%	0.1%
O₂ concentration	0.1 mg/l	0.01 mg/l 0.1 mg/l	0.001 mg/l 0.01 mg/l									
O₂ saturation	1%	0.1% 1%	0.1%									
Accuracy	Depending on calibration ±0.1 mg/l or 1 % (at 0.0 ... 60.0 mg/l)		Depending on calibration ±0.1 mg/l or 1 % (at 0.0 ... 20.0 mg/l)									
Response time at 25 °C	t ₉₀ : 180 s		t ₉₀ : 30 s t ₉₉ : 90 s									
Minimum flow rate	0.05 m/s		0.23 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

