



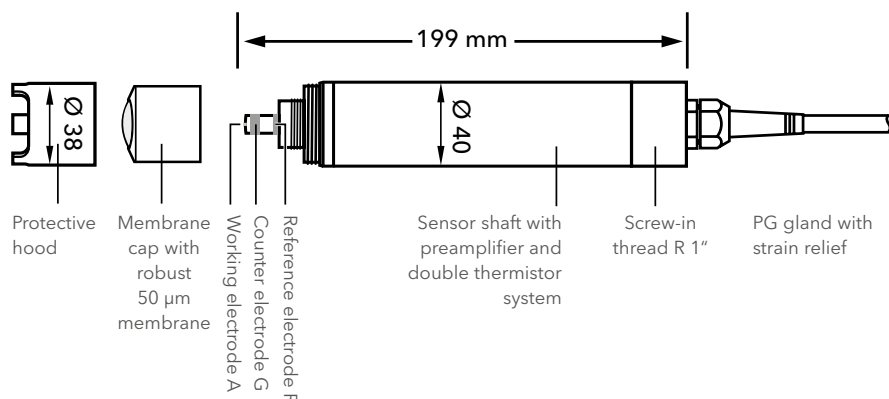
Analog electrochemical oxygen sensors

TriOxmatic®

The WTW TriOxmatic® has proven its worth in the field over years: More than 20,000 installations in reliable Online operation speak for themselves ...

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

TriOxmatic® 690, TriOxmatic® 700, TriOxmatic® 701



Technical Data

Model	TriOxmatic® 690	TriOxmatic® 701
Measuring principle	Amperometric	
Measuring range (25 °C, depends on respective controller)		
Concentration	O_2 0.0 ... 60.0 mg/l	0.00 ... 20.00 mg/l; 0.0 ... 60.0 mg/l
O_2 Saturation	0 ... 600 %	0.0 ... 200.0 %; 0 ... 600 %
Resolution	O_2 0.1 mg/l	0.01 mg/l; 0.1 mg/l
O_2 Saturation	1 %	0.1 %; 1 %
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
Temperature measurement	Integrated NTC, -5 °C ... +50 °C	
Temperature compensation	0 °C ... +50 °C	
Pressure resistance	Maximum 10 bar	
Ambient conditions	Operational temperature: 0 °C ... +50 °C; Storage Temperature: -5 °C ... +50 °C	
Electrical connection	Integrated connection cable with 7-pole screw plug (IP 65); electrical supply via WTW controller	
Electromagnetic compatibility	According to EN 61326 class B and FCC class A	
Certifications	CE, cUL, UL	
Mechanical	Membrane/ POM sensor head, Protection hood Housing shaft: Stainless steel 1.4571 Protection Rating IP 68 Cable PUR	
		PU
Weight (without cable)	Approx. 660 g	
Warranty	2 years on defects in quality	

Model	Description	Order No.
TriOxmatic® 690-7	Universal oxygen sensor without self diagnosis, with normal response time, cable length 7 m	201690
TriOxmatic® 690-15	Like TriOxmatic® 690-7, but cable length 15 m	201692
TriOxmatic® 701-7	Oxygen sensor with automatic self diagnosis and faster response time, cable length 7 m	201678
TriOxmatic® 701-50	Like TriOxmatic® 701-7, but cable length freely selectable	201682V