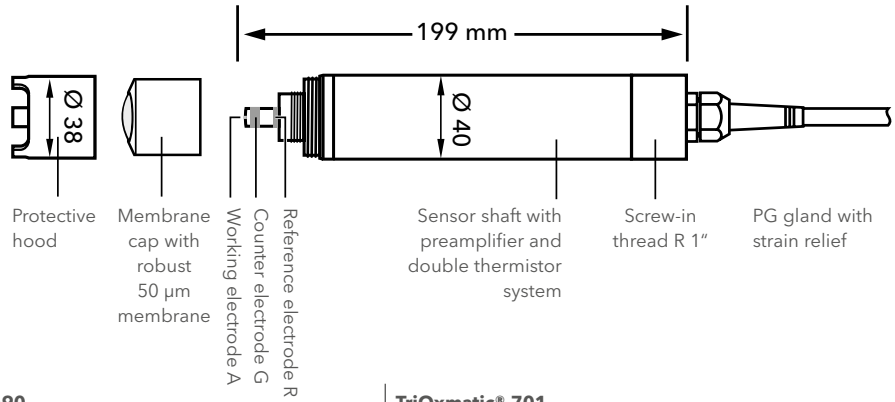
Analog electrochemical oxygen sensors TriOxmatic®

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)			
	O_2 Concentration	0.0 ... 60.0 mg/l	0.00 ... 20.00 mg/l; 0.0 ... 60.0 mg/l
	O2 Saturation	0 ... 600 %	0.0 ... 200.0 %; 0 ... 600 %
Resolution	**O_2 Concentration**	0.1 mg/l	0.01 mg/l; 0.1 mg/l
	O2 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/ sensor head, Protection hood	POM	
	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 according to § 10 terms of conditions	

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® 690-SO	Like TriOxmatic® 690-7, but cable length freely selectable	201693V
TriOxmatic® 701-7	Oxygen sensor with automatic self diagnosis and faster response time, cable length 7 m	201678
TriOxmatic® 701-15	Like TriOxmatic® 701-7, but cable length 15 m	201680
TriOxmatic® 701-SO	Like TriOxmatic® 701-7, but cable length freely selectable	201682V

a xylem brand

Xylem Analytics Germany Sales GmbH & Co. KG, WTW · Am Achalaich 11 · 82362 Weilheim · Germany
Phone: +49 881 1830 · Fax: +49 881 183-420 · Info.WTW@xylem.com · www.xylemanalytics.com