

Oxygen electrodes

	OX 1101	9009/22
temperature range [°C]	0 ... 45	0 ... 45
pressure range [bar]	± 0.1	± 0.1
measuring range oxygen in water [mg/l]	0 ... 20	0 ... 20
length L [mm]	120	120
shaft material	plastic (POM)	plastic (POM)
temperature sensor integrated	NTC 100 kΩ	NTC 100 kΩ
design and connection	screw plug head Pg 13.5	2 m fixed cable, flange cap
supply	1 spare membrane head	1 spare membrane head
	1 ampoule zero point solution	1 ampoule zero point solution
	50 ml electrolyte type L 6708	50 ml electrolyte type L 6708
	washer type 9980/52	O-ring type 9932/07
	O-ring type 9932/07	
design corresponding illustration	A	B



Oxygen Electrodes for measuring dissolved oxygen

Particularly suitable for the drinking water, industrial water and sewage range.

Mode of functioning:
For measuring dissolved oxygen in liquids, the “Clark” principle is applied with this electrode. The electrode is filled with an alkaline electrolyte and covered with a membrane that is permeable to oxygen. For measuring, a minimum flow speed of 10 cm/sec should prevail. The electrodes possess an integrated temperature sensor for automatic temperature compensation.

Cathode:

- ▶ platinum

Anode:

- ▶ silver

Electrolyte:

- ▶ sodium phosphate solution type L 6708

Membrane:

- ▶ PTFE, 25µm

Shaft diameter:

- ▶ 12 mm

Connection cable for OX 1101:

- ▶ e.g. type 9909/23 (length 3 m with free end), max. recommended cable length: 5 m

For additional connecting cables, see under Accessories on page 52.

Accessories:

- ▶ zero point solution type OX 060: 60 ampoules á 25 ml
- ▶ electrolyte solution type L 6708: PE bottle 50 ml
- ▶ service set type OX 928: 5 spare membrane heads, 50 ml electrolyte solution L 6708, 6 ampoules zero point solution
- ▶ type OX 929: 5 spare membrane heads