

# OxyGold B



**Specifications** 8 ppb to 40 ppm (DO) Measuring range Response time t98% < 60 s at 25 °C, from air to nitrogen 0 to 100 °C Process temperature Pressure range 0 to 12 bar (relative to ambient) CIP Hygienic aspects Oxylyte B Electrolyte Surface Quality  $R_a < 0.4 \mu m (N5)$ Current in air at 25°C 180 to 500 nA Material Stainless steel 1.4435 Polarization voltage 0 mV **EPDM** O-ring

For more specifications see www.hamiltoncompany.com

The OxyGold B is an electrochemical oxygen sensor especially designed for applications which contain carbon dioxide like the production of beer, sparkling wine or soft drinks. The sensor is not affected by acidic gases.

Apart from the production of sparkling beverages, the OxyGold B can be used in all production processes where CO<sub>2</sub> might be an issue for electrochemical sensors.



## Benefits

- ► No cross-sensitivity with CO<sub>2</sub>
- Only very little flow required
- ▶ Pressure and CIP resistent
- ► Replacing the cathode is possible and very simple to perform.

## **Typical applications**

- CO<sub>2</sub> recovery
- ▶ Water de-aeration



	o longth	VP 6	Aro
	a-length	VPO	Arc
OxyGold B	120	237180	not available
	225	237185	anymore*

\*See VisiTrace sensor, page 92

**Ordering Information** 

## Accessories



- OxyGold Membrane Kit Ref 237135
- Oxylyte B 30 mL Ref 237138
- Polarization Module B Ref 237360
- Replacement Cathode OxyGold B Ref 237437

Cables see page ≥ 112
Housings see page ≥ 127





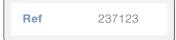


# **Oxygen Accessories**



## **OxyFerm Membrane Kit**

The OxyFerm Membrane Kit contains 3 membrane bodies, Oxylyte electrolyte, pipette, spare o-ring and a polishing strip.



### **Membrane Kit FDA**

The Membrane Kit FDA is the kit for the OxyFerm FDA sensors and contains 3 FDA membrane bodies, Oxylyte electrolyte, pipette, spare o-ring and a polishing strip. The mambrane body of the FDA membrane has a special rounded design to prevent accumulation of gas bubbles.



#### Membrane Kit CIP

The Membrane Kit CIP contains 3 membrane bodies that are especially designed to withstand CIP cleanings. Oxylyte electrolyte, pipette, spare o-ring and a polishing strip.

**Ref** 237126

## OxyGold Membrane Kit

The OxyGold Membrane Kit contains 3 membrane bodies with the rounded design, pipette and a spare o-ring. Electrolyte must be ordered separately to match the sensor (see page 111).

**Ref** 237135

## **Polarization Module**

The Polarization Module is to prepare replacement sensors so that they can be used immediately for measurements without connection to a transmitter. It polarizes the oxygen sensors and saves polarization time at the transmitter.

Polarization Module T OxyFerm / OxyFerm FDA / OxyFerm XL	Ref 237370
Polarization Module G OxyFerm VP / OxyGold G	Ref 237350
Polarization Module B OxyGold B	Ref 237360

Replacement Cathode OxyFerm	Ref 237306
Replacement Cathode OxyGold G	Ref 237427
Replacement Cathode OxyGold B	Ref 237437

## **Autoclavation Cap**

The Autoclavation Cap is used to protect the OxyFerm T82 connector from moisture during autoclavation. It is important to keep connections dry and clean to ensure reliable measurements.

Autoclavation Cap OxyFerm Ref 242000

# **Electrolytes and Solutions**



## **Electrolyte**

3 M KCI	100 mL	238036
3 M KCI	500 mL	238936
Skylyte-CL	100 mL	242080
Protelyte	100 mL	238038
3 M KCI-LR	500 mL	238939
Skylyte	500 mL	238937
Electrolytes for Oxygen Sensors		Ref
OxyGold Oxylyte G	30 mL	237139
OxyGold Oxylyte B	30 mL	237138
OxyFerm Oxylyte	30 mL	237118

## **Storage Solution**

In order to to achieve long sensor life and faster electrode response times, it is recommended to store electrodes in our storage solution. It is an acid-buffered solution that ensures the regeneration of the electrode in addition to provide an optimized storage.

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Storage Solution	500 mL	Ref 238931



## **Cleaning Solution Set**

Depending on the type of application, the pH glass or diaphragm can get contaminated through various ingredients of the measuring solution. This is indicated by a slow response of the electrode, or even incorrect readings. To overcome these problems, Hamilton has developed a cleaning solution set. The intention is to have an overall cleaning of the pH glass as well as the diaphragm. The set is comprised of Cleaning Solution A, Cleaning solution B and a storage solution. To clean the electrode put it into each solution for 15 – 30 minutes, and your electrode will be ready for new measurements again.

Cleaning Solution Set Ref 238290

