The OXYGOLD B is an electrochemical oxygen sensor especially designed for applications which contain carbon dioxide like the production of beer, sparkling wine or Cola. The sensor won’t be affected by this acidic gas. Apart from the production of sparkling beverages, the OXYGOLD B can be used in all production processes where CO₂ might be an issue.

**Application Fields:**
Chemical industry, breweries, beverages

**Specifications:**

- **Serial Number:** Yes
- **Certificate:** Yes
- **Measuring Method:** Measurement of the electrical current affected by the partial pressure of oxygen
- **Range:** 8 ppb … 40 ppm of dissolved oxygen
- **Current in air at 25 °C:** 180 … 500 nA
- **Residual current in nitrogen:** < 0.1% (relative to current in air)
- **Response time t₉₈%:** Max. 60 s at 25 °C, from air to nitrogen
- **Oxygen consumption:** Ca. 100 ng/h in air at 25 °C
- **Required flow:** ≥ 0.1 m/s
- **Drift at room temperature under constant conditions:** < 1% per week
- **Max. CO₂ partial pressure:** 12 bar
- **Temperature sensor:** NTC 22 kOhm
- **Temperature response:** 3.1%/K
- **Storage temperature:** -10 … 60 °C
- **Working temperature:** 0 … 100 °C
- **Pressure range:** 0 … 12 bar
- **Pressure compensation:** Not required
- **Electrode system:** Silver platinum combination
- **Membrane:** OPTIFLOW
- **Shaft diameter:** 12 mm
- **Mounting:** PG 13.5 thread
- **Electrical connector:** VP 6.0 connector head
- **Wetted materials:** Stainless steel 1.4435, silicone, EPDM with FDA approval, Gold
- **Surface quality of steel:** < 0.4 μm
- **Electrolyte:** OXYLYTE B, acidic
- **Polarization voltage:** 0 mV
- **Stabilisation time:** < 24 hours
- **Steam sterilizable:** Yes
- **Autoclavable:** Yes
- **CIP:** Yes
- **ATEX approval:** Yes, CE 0035 II 1/2 G Ex ia IIC T4/T5/T6
Ordering Information:

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<th>Part Number</th>
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<td>237180</td>
<td>OXYGOLD B 120</td>
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<td>237185</td>
<td>OXYGOLD B 225</td>
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Accessories:

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<tr>
<td>237138</td>
<td>OXYLYTE “B” Electrolyte for OXYGOLD, 50 ml</td>
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<td>237135</td>
<td>OXYGOLD Membrane Kit</td>
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<td>237360</td>
<td>Polarization Module B (for OXYGOLD B)</td>
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<td>237437</td>
<td>Replaceable Cathode OXYGOLD B (for sensors with P/N &gt; 5000)</td>
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Dimensional drawing: