**Product description**

The B12 detector is a 2-wire transmitter made up of a corrosion-resistant sensor, specially designed to operate in an environment where the relative humidity can reach 100%.

This transmitter is ideal for the detection of hydrogen peroxide, used for example as a bleaching agent in the pharmaceutical or food industry, or as a disinfectant.

The B12 detector is available with or without a display, the measurement range extending from 0 to 10 ppm.

These transmitters are supplied with 24V and are equipped with a 4-20mA output

- Direct measurement
- Minimum maintenance
- Quick response time
- Optional LCD display
- Low consumption

**Technical specifications**

- **Detected gases:** hydrogen peroxide (H2O2)
- **Precision:** +/- 5% of the value, but limits based on the calibration gas accuracy
- **Repeatability:** +/- 1% of span
- **Linearity:** +/- 5% of span
- **Output:** 4-20mA
- **Power supply:** 12-28 VDC
- **Load resistance:** 675 ohms maximum at 24VDC
- **Housing:** NEMA 4X polystyrene, optional LCD display
- **Settings:** by potentiometer (zero and sensitivity) mounted on the electronic card
- **Operating temperature:** from 0 to + 50 °C
- **Sensor material:** Noryl
- **Weight:** 0.4 kg

**Tables**

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low concentration H2O2 sensor (0-10 / 100 ppm) with display</td>
<td>B103899</td>
</tr>
<tr>
<td>Low concentration H2O2 sensor (0-10 / 100 ppm) without display</td>
<td>B103901</td>
</tr>
<tr>
<td>High concentration H2O2 sensor (0-200 / 2000 ppm) with display</td>
<td>C103899</td>
</tr>
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<td>High concentration H2O2 sensor (0-200 / 2000 ppm) without display</td>
<td>C103901</td>
</tr>
</tbody>
</table>

**Images**

Front view

Side view

Bottom view

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