**MARK® 509**

*Is a dual-channel meter for continuous measurements of dissolved hydrogen concentration (including low-level concentrations) and temperature of water and aqueous solutions.*

- **2 channels**
  Programmable ranges of measurements for each channel. Independent measurements in two points.

- **Convenience and accuracy of measurement, minimum maintenance**
  Dual automatic temperature and barometric pressure compensation.

- **Long-lived sensor**
  Lifetime of the oxygen sensor is min. 10 years.

- **Possibility of placing the converting unit on the remote distance from the point of control**
  Sensor cable length up to 100 m.

- **Communication with external devices**
  2 galvanic isolated current outputs 0–5/4–20/0–20mA. RS 485 galvanic isolated port. Programmable setpoints for each channel.

- **Durable aluminum case IP65**
  Instrument is protected from dust and moisture.

- **Graphic LCD display with backlight**
  Easy input of all parameters by keypad.

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**SPECIFICATION**

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>DH concentration, ppb</td>
<td>0–2000 1</td>
<td>0,1</td>
</tr>
<tr>
<td>Temperature, °C</td>
<td>0–70 *</td>
<td>0,1</td>
</tr>
</tbody>
</table>

*automatic temperature compensation range, 1 programmable

**Mounting**

- Wall
- Panel

**Dimensions, mm**

- 266*170*95
- 252*146*100

**Weight, kg**

- 2,60
- 2,60

**Power supply**

- 220 V, 50 Hz /10 V · А

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**ENVIRONMENT REQUIREMENTS**

| Temperature, °C | 0–70 |
| Sample flow rate through the flow-stabilizing module, dm³/min | 0,07–5 |
| Sample flow rate at the hydraulic panel input, dm³/min | 0,08–5 |

Hydraulic panel HP 409 provides stabilization, filtration, indication of the sample flow and temperature protection. Hydraulic panel HP 409 is recommended for use with a large number of impurities, primarily of iron oxides.

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The company reserves the right to make changes into the products configuration without their performance degradation.