Aquacon 2000 Plus

2-wire conductivity Transmitter

The new Aquacon 2000 Plus 2-wire transmitter features improved circuit design with galvanically isolated output that provides high reliability in the measurement with advanced diagnostic capabilities, excellent flexibility & minimal maintenance, this transmitter is the perfect instrument for your process requirement.

- Galvanically isolated output
- User friendly menus with Push button calibration/Setup
- Easy to read dual line LCD display for conductivity & temperature.
- Scalable 4-20 mA current output
- Automatic Temperature Compensation with Pt 100 (2 or 3 wire RTD)/MTC
- MTC with separate inputs for Process and Calibration Temperature
- IP 65 protection against dust and water jets (Wall/Panel mount)
- Hold output current indication available

Your Process, Our Analytics

Specialists in Process Efficiency and Energy Conservation
### Technical Specifications

<table>
<thead>
<tr>
<th>Conductivity</th>
<th>Range</th>
<th>Resolution</th>
<th>Cell Constant</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1</td>
<td>0 - 19.99 µs/cm</td>
<td>0.01 µs</td>
<td>k = 0.1, 1.0</td>
</tr>
<tr>
<td>R2</td>
<td>0 - 199.9 µs/cm</td>
<td>0.1 µs</td>
<td>k = 0.1, 1.0, 10.0</td>
</tr>
<tr>
<td>R3</td>
<td>0 - 1999 µs/cm</td>
<td>1 µs</td>
<td>k = 0.1, 1.0, 10.0</td>
</tr>
<tr>
<td>R4</td>
<td>0 - 10.00 ms/cm</td>
<td>0.01 ms</td>
<td>k = 0.1, 1.0, 10.0</td>
</tr>
<tr>
<td>R5</td>
<td>0 - 19.99 ms/cm</td>
<td>0.01 ms</td>
<td>k = 0.1, 1.0, 10.0</td>
</tr>
<tr>
<td>R6</td>
<td>0 - 199.9 ms/cm</td>
<td>0.01 ms</td>
<td>k = 1.0, 10.0</td>
</tr>
</tbody>
</table>

**Accuracy**

±1% of full scale reading in respective range.

**Calibration points**

1 point

**Temperature range**

0.0 to 100.0 °C

**Resolution/Accuracy**

0.1°C / ± 0.5 for °C

**Temp. Compensation**

Auto (Pt. 100)/Manual (From 0 to 100 °C)

**Temp. Coefficient**

0 to 10% (Selectable)

**Normalization Temp.**

20.0°C or 25.0°C (Selectable)

**Transmitter Output range**

4.0 to 20.0 mA

**Over / Under range Current Output**

3.8 mA :
- ‘ON’ select 3.8 mA
- ‘OFF’ select 4 mA (under range)
- select 20mA (over range)

22 mA :
- ‘ON’ select 22mA
- ‘OFF’ select last measured current value

**Display**

Custom Dual Display LCD

**Power Requirements**

12 to 24 VDC

**Load Resistance**

Max. 600 W

**Ingress Protection**

IP65 protection against dust and water jets (Wall/panel mount)

**Dimension / Weight**

96 x 96 x 66 mm / 210 g

**Housing Material**

ABS

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### Ordering Information

**Model Name**

Aquacon 2000 plus