CODUCTIVITY METER
Model: YK-2005CD

ISO-9001, CE, IEC1010

200 uS/2 mS/20 mS/200 mS, Real time data logger
**CONDUCTIVITY METER**

Model: YK-2005CD

1. FEATURES

- Innovative feature with built-in automatic temperature compensation factor adjustable between 0 to 5.0% per °C.
- Wide range, 200 uS/2 mS/20 mS/200 mS.
- Selecting " 0% per °C" of Temp. Coefficient Adjust, allows you to take uncompensated conductivity readings ( absolute conductivity measurement ).
- Temperature compensation range: 0 to 50 °C.
- Carbon rod electrode for long life.
- Conductivity measurement ( uS, mS ) or TDS ( Total Dissolved Solids, PPM ) can be selected.
- Auto range or manual range can be selected.
- Real time data logger, build in clock ( hour-min.-sec., year-month-date ).
- Auto data record, 16,000 Data logger no.
- Wide sampling time adjustment range from two seconds to 8 hours 59 minutes 59 seconds.
- RS232 computer interface.
- Can default auto power off or manual power off.
- Super large LCD display with contrast adjustment for best viewing angle.
- Data hold, record max. and min. reading.
- Power by UM3 ( 1.5 V ) x 4 batteries or DC 9V adapter.
- RS232 PC serial interface.
- Separate probe, easy for operation of different measurement environment.
- Wide applications: water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college, water conditioning.

2.2 Electrical Specifications (23± 5 °C)

A. Conductivity

<table>
<thead>
<tr>
<th>Range</th>
<th>Measurement</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 uS</td>
<td>0 to 200.0 uS</td>
<td>0.1 uS</td>
<td>± (2% F.S.+1d)</td>
</tr>
<tr>
<td>2 mS</td>
<td>0.2 to 2.000 mS</td>
<td>0.001 mS</td>
<td>F.S. - Full scale</td>
</tr>
<tr>
<td>20 mS</td>
<td>2 to 20.00 mS</td>
<td>0.01 mS</td>
<td></td>
</tr>
<tr>
<td>200 mS</td>
<td>20 to 200.0 mS</td>
<td>0.1 mS</td>
<td></td>
</tr>
</tbody>
</table>

- Temperature Compensation: Automatic from 0 to 60 °C (32 - 140 °F), with temperature compensation factor variable between 0 to 5.0% per °C.
- The accuracy is specified under measurement value ≤ 100 mS.
- mS - milli Simens * @ 23± 5°C

B. TDS ( Total Dissolved Solids )

<table>
<thead>
<tr>
<th>Range</th>
<th>Measurement</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 PPM</td>
<td>0 to 132 PPM</td>
<td>0.1 PPM</td>
<td>± (2% F.S.+1d)</td>
</tr>
<tr>
<td>2,000 PPM</td>
<td>132 to 1,320 PPM</td>
<td>1 PPM</td>
<td>F.S. - Full scale</td>
</tr>
<tr>
<td>20,000 PPM</td>
<td>1,320 to 13,200 PPM</td>
<td>10 PPM</td>
<td></td>
</tr>
<tr>
<td>200,000 PPM</td>
<td>13,200 to 132,000 PPM</td>
<td>100 PPM</td>
<td></td>
</tr>
</tbody>
</table>

- Temperature Compensation: Automatic from 0 to 60 °C (32 - 140 °F), with temperature compensation factor variable between 0 to 5.0% per °C.
- The accuracy is specified under measurement value ≤ 66,000 PPM.
- PPM - parts per million * @ 23± 5°C

C. Temperature

<table>
<thead>
<tr>
<th>Function</th>
<th>Measuring Range</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>0 °C to 60 °C</td>
<td>0.1 °C</td>
<td>0.8 °C</td>
</tr>
<tr>
<td>F</td>
<td>32 °F to 140 °F</td>
<td>0.1 °F</td>
<td>1.5 °F</td>
</tr>
</tbody>
</table>

* @ 23± 5°C

* Appearance and specifications listed in this brochure are subject to change without notice.

0905-YK2005CD