PEN PH METER

Model : PH-220

ISO-9001, CE, IEC1010

FEATURES

* Separate pH electrode, easy for general purpose and remote measurement.
* 0 to 14.00 pH.
* Auto calibration for pH 4, pH 7 or pH 10.
* Temp. adjustment is not necessary.
* IP-65 water proof.
* Pen type, easy carry out.
* Complete set with separate pH electrode ( PE-11 ) and pH 4, pH 7 standard solution.
* Build in reverse display button.
* DC 1.5V battery ( UM-4, AA ) x 4.
### General Specifications

**Features**
- Economical cost digital pen PH meter
- General purpose applications.
- Complete sets with one separate pH electrode (PE-11).
- Easy operation.
- High protection.
- Compact size, light weight.
- BNC input, available for most kind pH electrode.
- User can reverse the display direction, friendly.

**Display**
- LCD, size: 20 mm x 28 mm.
- User can reverse the display direction, friendly.

**Measurement**
- pH.

**Range/Resolution**
- 0 to 14 pH x 0.01 pH.

**Accuracy**
- ± 0.07 pH (pH 5 - pH 9), ± 0.1 pH (pH 4 - pH 10).
- ± 0.2 pH (pH 1 - pH 3.9, pH 10.1 - pH 13).
- *Main instrument only.*

**Input Impedance**
- 10^12 ohms.

**PH range Temp. Compensation**
- Not necessary to adjust.

**Sampling Time**
- Approx. 0.4 second.

**Operating Temperature**
- 0°C to 50°C (32°F to 122°F).

**Operating Humidity**
- Less than 80% RH.

**Calibration**
- Auto calibration, pH 7, pH 4 (or pH 10).

**Protection**

**Power Supply**
- DC 1.5V battery (UM-4/AAA) x 4 PCs.

**Power Consumption**
- Approx. 2.0 mA.

**Dimension**
- 131 x 70 x 25 mm. *Main unit*

**PH electrode**
- Any connector PH Electrode with BNC connector.
- PE-11 included.

**Standard Accessories**
- Instruction Manual: 1 PC.
- pH electrode: PE-11: 1 PC.

**Optional Accessories**
- pH electrode, pH 4, pH 7 buffer solution, Carrying case.

### Applications

- Aquariums
- Plating Industry
- Laboratory
- Beverage
- Quality Control
- Schools & Colleges
- Fish Hatcheries
- Food Processing
- Swimming Pools
- Paper Industry
- Photography
- Water Conditioning

### Optional Accessories

<table>
<thead>
<tr>
<th>PH Electrode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-03</td>
<td>General purpose pH electrode with BNC connector. Range: 1 to 13 pH (typical 0 to 14 pH). Epoxy body, Body size: 12 mm dia. x 160 mm. Cable length: 1 meter.</td>
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<tr>
<td>PE-11</td>
<td>General purpose &amp; high quality pH electrode with BNC connector. Range: 1 to 13 pH (typical 0 to 14 pH). Epoxy body, Body size: 9.5 mm dia. x 120 mm. Cable length: 1 meter.</td>
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<tr>
<td>PE-01</td>
<td>High quality, Professional, Laboratory &amp; field usage. Range: 0 to 14 pH. Epoxy body, Body size: 9.5 mm dia. x 120 mm. Cable length: 0.75 meter.</td>
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<tr>
<td>PE-04HD</td>
<td>Spear tip, used for penetration pH measurements into meats, cheese, soil and other types of measurements requiring sample penetration. Range: 0 to 14 pH.</td>
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<tr>
<td>PE-06HD</td>
<td>Spear tip, used for penetration pH measurements into meats, cheese, soil and other types of measurements requiring sample penetration. Range: 0 to 13 pH.</td>
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<tr>
<td>PH Solution</td>
<td>pH 7.00 standard buffer solution.</td>
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<tr>
<td>PH Solution</td>
<td>pH 4.00 standard buffer solution.</td>
</tr>
<tr>
<td>CARRYING CASE</td>
<td>Vinyl soft case for PH-220.</td>
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<tr>
<td>CARRYING CASE</td>
<td>Hard carrying case for PH-220.</td>
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</tbody>
</table>

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