Ultrasonic Meter

Relative evaluation of the sound pressure in an ultrasonic cleaning tank, which varies depending on various factors.

**Product Features**

- Easy-to-read digital display (with bar graph)
- Auto-range function for measured values
- Battery-powered handy type (continuous operation by AC adapter is also possible)
- Battery alarm
- Measurable frequency: 10kHz to 2MHz
- Output sensitivity adjustment function
  - The output data range can be adjusted for easy viewing in any ultrasonic operating environment
- External output terminal
  - It can be used in conjunction with voltage loggers and other devices to record and manage measurement data

**Product Specifications**

<table>
<thead>
<tr>
<th>Type</th>
<th>USM-015 REV2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement frequency</td>
<td>10kHz to 2MHz</td>
</tr>
<tr>
<td>Power supply</td>
<td>Battery (AA batteries x 4) or AC adapter*¹.</td>
</tr>
<tr>
<td>Power consumption</td>
<td>1.2 W</td>
</tr>
<tr>
<td>External dimensions</td>
<td>95(W)x46(D)x158(H) mm</td>
</tr>
<tr>
<td>Sensor length</td>
<td>(See reverse side.)</td>
</tr>
</tbody>
</table>
| Weight                    | Main body : 410g (including batteries)  
                           | Sensor (SUS316) : 260g     |
| Type of measurement       | Probe Detection Voltage: Relative Value*² |

*¹ AC adapter is not included.
*² Absolute sound pressure value cannot be measured due to the measurement of probe detection voltage.
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External view of Ultrasonic Meter

- **BNC connector**
  - (Sound pressure sensor connection)
- **External output terminal**
  - *With attached harness*
- **Power switch**
- **Output sensitivity adjustment volume**
- **LCD display**
- **Bar graph display section**
- **Battery alarm indicator light**

(Unit: mm)

• **Standard sensor**

• **L-shaped sensor**

Sensor cord length 1.5 m

• **Product Name, Sensor Probe Dimensions, Part Number**

<table>
<thead>
<tr>
<th>Product name</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultrasonic Meter, USM-015 REV2</td>
<td>270</td>
<td>-</td>
<td>J411-247-00010</td>
</tr>
<tr>
<td>Ultrasonic Meter, USM-015 REV2, sensor length: 430mm</td>
<td>430</td>
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<tr>
<td>Ultrasonic Meter, USM-015 REV2, sensor length: 600mm</td>
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<td>Ultrasonic Meter, USM-015 REV2, 135-80 L-shaped sensor</td>
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<td>80</td>
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<td>120</td>
<td>J411-247-00014</td>
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<tr>
<td>Ultrasonic Meter, USM-015 REV2, 400-165 L-shaped sensor</td>
<td>400</td>
<td>165</td>
<td>J411-247-00015</td>
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</tbody>
</table>

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