NEW Product

Easily measured even in narrow spaces
Ultraminiature Microphone
MB-2200M10

Features
- Ultra compact!
  Easy sound pressure measurement even in limited spaces
- Super lightweight!
  Can be fixed with double-sided tape

Overview
This ultra compact, lightweight microphone enables measurement in a narrow space that has been difficult to install so far, without giving influence to the sound field. Analysis device (CCLD) such as FFT Analyzer can be connected directly.

Applications
- Sound pressure measurement inside of a target.
- Measurement of sound pressure distribution by simultaneous multi-point measurement

Ultraminiature Sensor
4.7 x 7.1 x 3.3 mm

[Example of setting to a vehicle mirror]
**Specification**

<table>
<thead>
<tr>
<th>Model name</th>
<th>MB-2200M10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity</td>
<td>-37.0 ±3.0 dB re. 1V/Pa (14 mV/Pa)</td>
</tr>
<tr>
<td>Frequency range</td>
<td>200 Hz to 16 kHz (±2.5 dB)</td>
</tr>
<tr>
<td>Max. sound pressure level</td>
<td>114 dB (1 kHz, total harmonic distortion: 3%)</td>
</tr>
<tr>
<td>Inherent noise level</td>
<td>36 dB (A) or less</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>-30 to +80°C</td>
</tr>
<tr>
<td>Operating humidity range</td>
<td>0 to 90% RH (with no condensation)</td>
</tr>
<tr>
<td>Storage temperature range</td>
<td>-10 to +60°C (Sensor and amplifier parts)</td>
</tr>
<tr>
<td>Storage humidity range</td>
<td>0 to 90% RH (with no condensation)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 48 g (total)</td>
</tr>
<tr>
<td>Power requirement</td>
<td>±0 to +50℃: 2500 mm or more from tip of a sensor part (to the connector of preamplifier section)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 0.3 g (sensor part)</td>
</tr>
<tr>
<td>Power requirement</td>
<td>CCILD 2.2 to 4.9 mA (Nominal 44.0 mA)</td>
</tr>
<tr>
<td>Conforming standard</td>
<td>CE marking EMC RoHS TEDS IEEE 1451.4:2004 Ver. 1.0 Template: 27 Microphone with built-in preamplifier</td>
</tr>
<tr>
<td>Accessory</td>
<td>Data sheet x 1 Instruction manual (Japanese /English) x1 for each</td>
</tr>
</tbody>
</table>

**Outer dimensions**

![Image of MB-2200M10 microphone]

**Frequency characteristics**

![Graph of MB-2200M10 frequency characteristics]

**Related products**

**MB-0210 Ultraminiature Microphone CAL Adapter**

![Image of MB-0210]

**SC-2120A Sound Calibrator Class 2**

Simple type sound calibrator for 1/2-inch microphone. An exclusive adapter (MB-0210) is required for calibration of the ultra compact microphone.

- **Standard**
  - JIS C 1515: 2004 Class 2
  - IEC 60942: 2003 Class 2
- **Nominal sound pressure level**
  - 94 dB
- **Nominal frequency**
  - 1000 Hz

**SR-2210 2-channel Sensor Amplifier**

Accepts constant-current line drive sensors and connects to analyzers and recording device that would not otherwise be compatible with constant-current sensors.

- **Constant Current Power**
  - Current: 2.4 mA (±20%)
  - Applied voltage: approx. 18 v
- **No. of channels**
  - 2
- **Output max. extension**
  - Within 30 m
- **Power supply**
  - Type AA battery cell x 4
  - AC adapter: PB-7090 (sold separately)
- **Battery life**
  - 20 hours or more

*When type AA alkaline battery cell (LR06) used.*

**WORLDWIDE**

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