

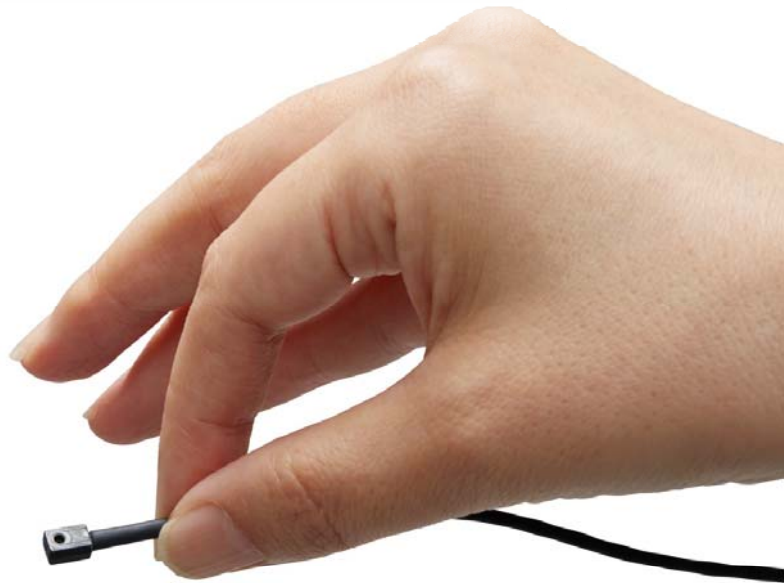
# NEW Product

Easily measured even in narrow spaces

## Ultraminiature Microphone

# MB-2200M10

Ultraminiature  
Sensor  
4.7 x 7.1 x 3.3 mm



### ● Features

- **Ultra compact !**

Easy sound pressure measurement even in limited spaces

- **Super lightweight !**

Can be fixed with double-sided tape

### ● Overview

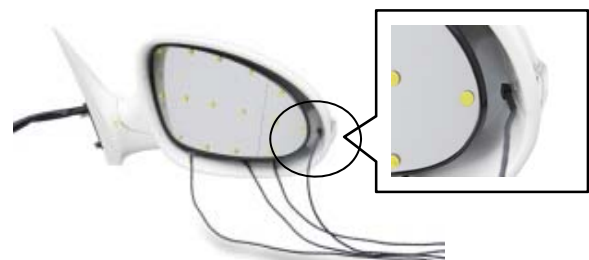
This ultra compact, lightweight microphone enables measurement in a narrow space that has been difficult to install so far, without giving influence to the sound field. Analysis device (CCLD) such as FFT Analyzer can be connected directly.

### **[Applications]**

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



Sensors are installed to the clearance of the side mirror. You can use the MB-2200m10 in the place that was too narrow to install so far.

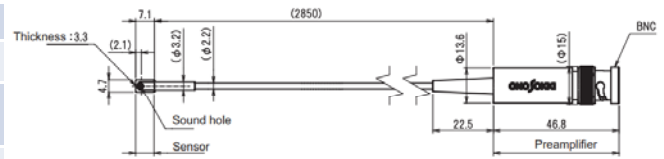


[Example of setting to a vehicle mirror]

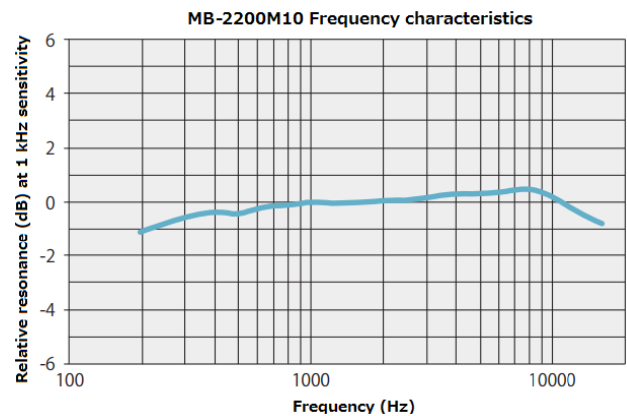
## ● Specification

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

## ● Outer dimensions



## ● Frequency characteristics



## ● Related products

### MB-0210 Ultraminiature Microphone CAL Adapter



### 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.

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\*Outer appearance and specifications are subject to change without prior notice.

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