

Ultraminiature Microphone **MB-2200M10**

Easily measured even in narrow spaces



● Features

- **Ultra compact !**

Easy sound pressure measurement even in limited spaces

- **Super lightweight !**

Can be fixed with double-sided tape

● Overview

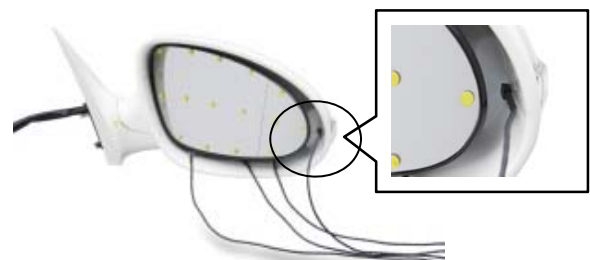
This ultra compact, lightweight microphone enables measurement in a narrow space that has been difficult to install so far, without giving influence to the sound field. Analysis device (CCLD) such as FFT Analyzer can be connected directly.

[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.

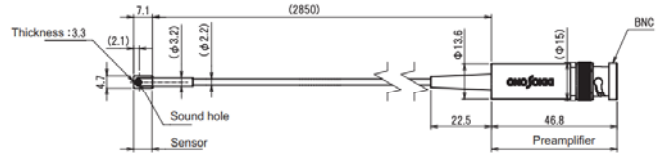


[Example of setting to a vehicle mirror]

● Specification

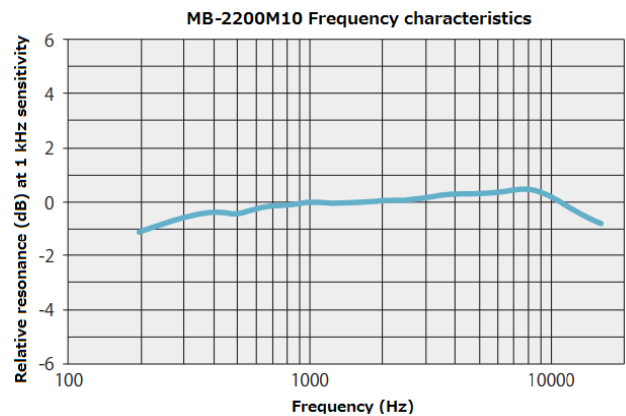
Model name	MB-2200M10
Response type	Sound field type
Sensitivity (1 kHz)	-37.0 ±3.0 dB re. 1V/Pa (14 mV/Pa)
Frequency range	200 Hz to 16 kHz (±2.5 dB)
Max. sound pressure level	114 dB (1 kHz, total harmonic distortion: 3%)
Self-noise level	36 dB (A) or less
Operating temperature range	-30 to +80°C :2500 mm or less from tip of a sensor part ±0 to +50°C :2500 mm or more from tip of 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 (Constant current drive) Current: 2.2 to 4.9 mA (Rated 4.0 mA) Voltage: DC 18 V to 26 V (Rated 24 V)
Conforming standard	CE marking EMC 2014/30/EU Standard EN61326-1 RoHS 2011/65/EU Standard EN50581 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



Unit=mm

● Frequency characteristics



● Related products

MB-0210 Ultraminiature Microphone CAL Adapter



<Note>
Usage with SC-2120A
The calibration value
cannot be guaranteed
in combination with
other calibrators.

The image installing to
SC-2120A

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 to be able to connect to analyzers and recording devices such as DAT that are not compatible with the constant current amplifiers.



Constant Current Power	Current: 2.4 mA (±20%) Applied voltage: approx 18 v
No. of channels	2
Max. output cable 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.

ONOSOKKI

WORLDWIDE ONO SOKKI CO., LTD.

1-16-1 Hakusan, Midori-ku, Yokohama, 226-8507, Japan
Phone : +81-45-935-3918 Fax : +81-45-930-1808
E-mail : overseas@onosokki.co.jp

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

URL : <https://www.onosokki.co.jp/English/english.htm>

U.S.A.

Ono Sokki Technology Inc.
2171 Executive Drive, Suite 400,
Addison, IL. 60101, U.S.A.
Phone : +1-630-627-9700
Fax : +1-630-627-0004
E-mail : info@onosokki.net
<http://www.onosokki.net>

THAILAND

Ono Sokki (Thailand) Co., Ltd.
1/293-4 Moo.9 T.Bangphud
A.Pakkred,
Nonthaburi 11120, Thailand
Phone : +66-2-584-6735
Fax : +66-2-584-6740
E-mail : sales@onosokki.co.th

INDIA

Ono Sokki India Private Ltd.
Plot No.20, Ground Floor, Sector-3,
IMT Manesar Gurgaon-122050,
Haryana, INDIA
Phone : +91-124-421-1807
Fax : +91-124-421-1809
E-mail : osid@onosokki.co.in

P.R.CHINA

Ono Sokki Shanghai Technology Co., Ltd.
Room 506, No.47 Zhengyi Road, Yangpu
District, Shanghai, 200433, P.R.C.
Phone : +86-21-6503-2656
Fax : +86-21-6506-0327
E-mail : admin@shonosokki.com

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