

BM series

OVERHEAD MICROPHONES



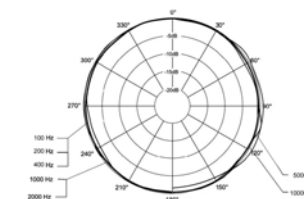
BM-112 and BM-113 is designed for ceilings mounting. t is available in two versions. BM-13 has a short flexible gooseneck and is ideal for installations with a low ceiling. Both microphones terminate in a single gang plate for easy installation into a standard electrical box. The BM-112 and BM-113 are suited for applications such as tele/video conferencing, choir miking, distance learning and wherever high quality speech or music reproduction/recording is required. Both microphones have excellent RF shielding effect, which makes the microphones absolutely insensitive to interference from wireless communication devices such as mobile phones.

BM-112 accessories: gooseneck microphone. white. for mounting into the ceiling.(embedded installation/ Depressed socket) Size:90mm*86mm
BM-113 accessories: hanging type gooseneck microphone, white, for mounting into the ceiling. (embedded installation/Depressed socket Size:90mm*86mm

Product Specification

BM-112

Overhead Microphone

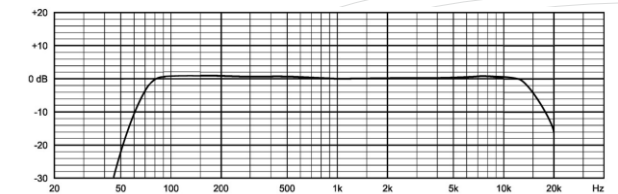


Polar Pattern

Capsule Type:	Condenser Omni-directional
High Pass Filter:	100Hz,18dB/octave
Frequency Response:	35Hz-18KHz
Sensitivity:	-32dB,1V@1Pa
Output Impedance:	200Ω
Max. Input Sound Level:	130dB, 1KHz @1%T.H.D
Dynamic Range(typical):	110dB,1KHz at highest sound level
S/N:	>68dB,1KHz@1Pa
Phantom Supply:	DC12-52V
Current Consumption:	8mA(BM-112Typical)
Output Connector:	3P fast connector
Dimension(mm):	90(L)×86(W)×35(H)
Weight:	95g
Colour:	White

This frequency response curve and polar pattern correspond to a typical production sample for this microphone.

(frequency response measurement error: ±2.5dB)



BM-112 Frequency Response 0dB=18 mV/Pa

Key Features

BM-112 Overhead Microphones

Anti-Interference

- Excellent RF shielding effect, effectively avoiding RF interference.
- BM-112 Omni-directional polar pattern.

Clear Sound Quality

- High-quality speech reproduction.
- High gain-before-feedback.
- Flat and wide frequency response.

Convenient Installation

- Apply to fixing or suspended hanging installation.
- Standard installation or embedded installation.
- Hidden installation design.

BM-113 Overhead Microphones

Anti-Interference

- Excellent RF shielding effect, effectively avoiding RF interference.
- BM-113 Cardioid polar pattern.

Clear Sound Quality

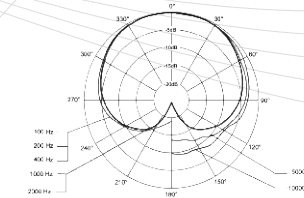
- High-quality speech reproduction.
- High gain-before-feedback.
- Flat and wide frequency response.

Convenient Installation

- Apply to fixing or suspend hanging installation.
- Standard installation or embedded installation.
- Hidden design.
- BM-113 flexible gooseneck for optimal positioning.

BM-113

Overhead Microphone

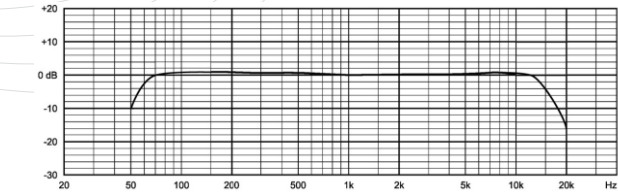


Polar Pattern

Capsule Type:	Condenser cardioid unidirectional
High Pass Filter:	100Hz,18dB/octave
Frequency Response:	35Hz-18KHz
Sensitivity:	-32dB,1V@1Pa
Output Impedance:	200Ω
Max. Input Sound Level:	130dB, 1KHz @1%T.H.D
Dynamic Range(typical):	110dB,1KHz at highest sound level
S/N:	>68dB,1KHz@1Pa
Phantom Supply:	DC12-52V
Current Consumption:	20mA(BM-112Typical)
Output Connector:	3P fast connector
Dimension(mm):	90(L)×86(W)×153(H)
Weight:	95g
Colour:	White

This frequency response curve and polar pattern correspond to a typical production sample for this microphone.

(frequency response measurement error: ±2.5dB)



BM-113 Frequency Response 0dB=18 mV/Pa

BM/WB series

BOUNDARY MICROPHONES

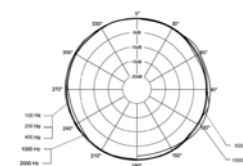


BM series condenser boundary microphone is designed for flush mounting into desktops or ceilings. Apply to televideo conferencing, recording or amplification of round table discussions and the microphones needs to be unobtrusive as possible. The microphones have excellent RF shielding effect, which makes the microphones absolutely insensitive to interference from wireless communication devices such as mobile phones. BM-110 provides a half-spherical polar pattern, making it ideal for large rooms. Due to its high sensitivity, even pick up the sound in far distance, output level won't appear large influence. The elastic bearing rings isolate the mechanical of the surface, thus the microphone can effectively isolate the mechanical noise. BM-111 half-cardioid polar pattern, which increases the gain-before-feedback and decreases the amount of diffuse ambience.

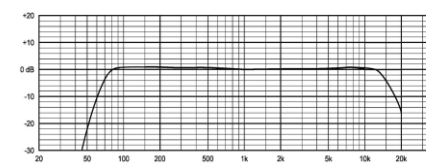
Product Specification



BM-110
Boundary Microphone



Polar Pattern

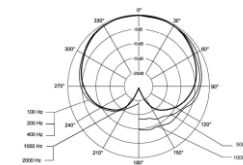


Frequency Response

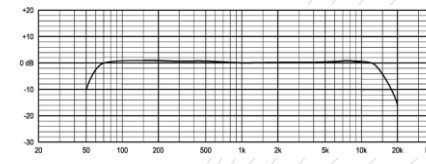
Capsule:	Back of polarization electrostatic condenser type
Polar Pattern:	Hemispherical (omnidirectional)
Frequency Response:	80-18,000 Hz
Sensitivity:	18 mV/Pa = -34.4 dBV
Output Impedance:	< 200 Ω
Max. Input Sound Level:	106 dB [SPL @ 1% THD].
S/N:	68dB, 1 kHz @ 1Pa
Noise Voltage:	6.0 μ V [A]
Phantom Supply:	DC12-52V
Current Consumption:	4mA (Typical)
Output Connector:	Built-in 3-pin XLRM
Weight:	95g (include nut and elastic bearing ring)
Dimension:	Length:74mm Width:20mm (steel pipe)39.5 mm(capsule ring)



BM-111
Boundary Microphone

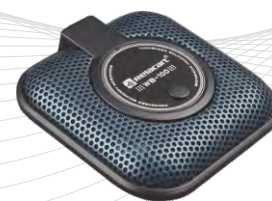


Polar Pattern

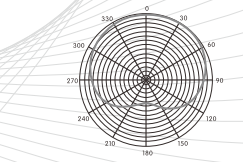


Frequency Response

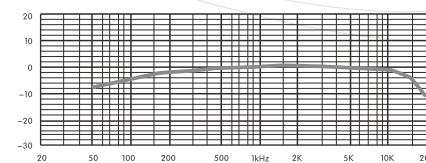
Capsule:	Back of polarization electrostatic condenser type
Polar Pattern:	Hemispherical (unidirectional)
Frequency Response:	80-18,000 Hz
Sensitivity:	18 mV/Pa = -34.4 dBV
Output Impedance:	< 200 Ω
Max. Input Sound Level:	106 dB [SPL @ 1% THD].
S/N:	68dB, 1 kHz @ 1Pa
Noise Voltage:	6.0 μ V [A]
Phantom Supply:	DC12-52V
Current Consumption:	4mA (Typical)
Output Connector:	Built-in 3-pin XLRM
Weight:	95g (include nut and elastic bearing ring)
Dimension:	Length:75 mm Width:20mm (steel pipe)39.5 mm(capsule ring)



WB-100
Boundary Microphone



Polar Pattern



Frequency Response

Power Requirement:	24-52V DC Phantom
Consumption:	8mA(Typical)
Element:	Condenser
Polar Pattern:	Cardioid(120°abovemounting surface) Omnidirectional (360°)
Frequency Response:	65Hz-18KHz
Low Frequency Roll-Off:	80Hz, 18dB/octave
Sensitivity:	-36dB 1Pa at 1V
S/NRatio:	>67dB
Output Impedance:	200 Ω
Dimension(mm):	110(W)×110(D)×18(H)
Weight:	300g

Key Features

BM-110/BM-111 Wired Boundary Microphone



Anti-Interference

- Excellent RF shielding effect, effectively avoiding RF interference.
- High gain-before-feedback



Hidden Installation

- Apply to fix or suspended ceiling installation
- Specially design for flush mounting into desktops or ceilings.



Clear Sound Quality

- Cardioid polar pattern, high-quality speech reproduction.
- Low-impedance balance audio output, the sound is smooth and clear.
- Equipped with auto-gain audio processing circuit, effectively avoiding the feedback.



Super Strong Directivity

- Cardioid polar pattern, increase gainbefore-feedback.
- Decrease the environment noise and feedback, guarantee the vocal clarity.



Delicate Workmanship

- Heavy die-case, stable and durable alloy shell and microphone.
- The button is equipped with elastic bearing rings, minimize the coupling of surface vibration to the surface.



Convenient Installation

Accessories: elastic bearing rings
Installation:
The installation hole(with elastic bearing ring)Ø24mm(15/16")
The installation hole(without elastic bearing ring)Ø20mm(13/16")
The maximum thickness of the desktop/ceiling 57mm(2.25)

WB-100 Wired Boundary Microphone



Multi-function Switch

- Ultra-quiet electronic switch can control the microphone sound pickup. External LED control allows for accurate depiction of the live status.
- Logic input and output allows the connection with other central control systems. The microphone switch can control or be controlled by external automatic central control system or other devices. The LED can be controlled by the central control or other devices.



Delicate Workmanship

- Heavy die-cast case and non-slip silicon foam bottom padsminimize coupling of surface vibration to the microphone.



Anti-Interference

- ORF shielding technology, offer excellent anti-interference capability, avoid the interference from the cell phone or other wireless devices.



Four Modes For Selection

- Mode One: touch-on;
- Mode Two: touch-mute;
- Mode Three: touch-to-talk;
- Mode Four: touch-to-mute.