

BM-110/BM-111

Wired Boundary Microphone



01 Product Features

- Excellent RF shielding effect, effectively avoiding RF interference.
- High gain-before-feedback.
- Apply to fix or suspended ceiling installation Specially design for flush mounting into desktops or ceilings.
- Half-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.
- Half-cardioid polar pattern, increase gain-before-feedback.
- Decrease the environment noise and feedback, guarantee the vocal clarity.
- 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.

02 Application

- BM series condenser boundary microphone is designed for flush mounting into desktops or ceilings. Apply to tele/video 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-111 half-cardioid polar pattern, which increases the gain-before-feedback and decreases the amount of diffuse ambience.
- BM-110 provides a half-spherical 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.

03 Accessories

- Elastic bearing rings

04 Installation

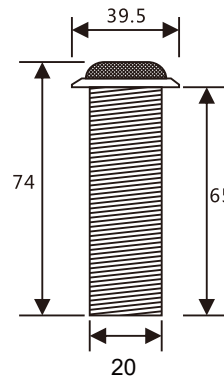
- The installation hole(with elastic bearing ring) : $\varnothing 24$ mm (15/16")
- The installation hole(without elastic bearing ring): $\varnothing 20$ mm (13/16")
- The maximum thickness of the desktop/ceiling: 57 mm (2.25")

05 Specifications

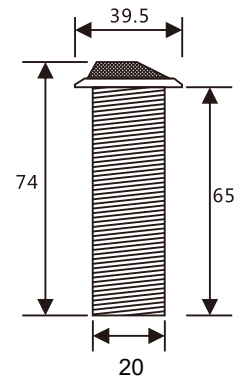
Model:	BM-110	BM-111
Polar Pattern:	Omni-directional polar pattern	Cardioid polar pattern
Capsule:	Back of polarization electrostatic condenser type	
Frequency Response:	80-18,000 Hz	
Sensitivity:	18 mV/Pa = -34.4 dBV	
Output Impedance:	< 200 Ω	
Max. Input Sound Level:	106 dB [SPL @ 1% THD]	
S/N:	68dB, 1 kHz @ 1Pa	
Noise Voltage:	6.0 μ V [A]	
Phantom Power Requirements:	DC12-52V	
Current Consumption:	4mA (Typical)	
Output Connector:	Built-in 3-pin XLRM	
Dimension(mm):	74(L) x 20(W) (Steel pipe) / 39.5(W) (Capsule ring)	
Weight:	95g (include nut and elastic bearing ring)	

06 Outline Dimension

BM-110



BM-111

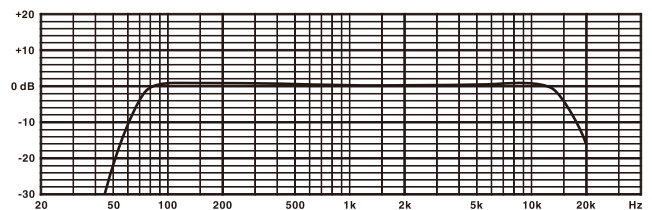


07 Frequency Response & Polar Pattern

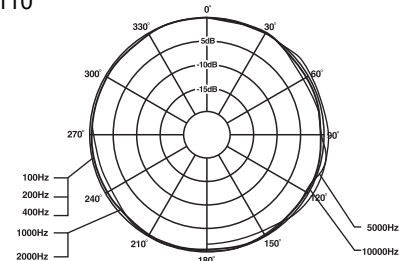
This frequency response curve and polar pattern correspond to a typical production sample for this microphone.

(frequency response measurement error: ± 2.5 dB)

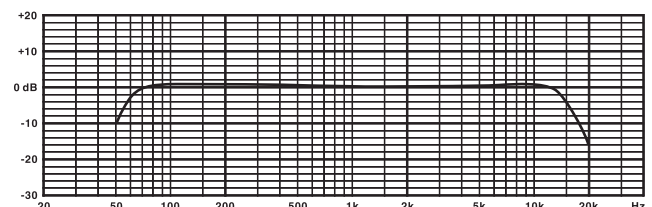
Frequency Response: BM-110 0dB=18mV/Pa



Polar Pattern:BM-110



Frequency Response: BM-111 0dB=18mV/Pa



Polar Pattern:BM-111

