

M44 MINIATURE CONDENSER MICROPHONE

OVERVIEW:

The M44 is a miniaturized condenser microphone with a fully integrated preamp and detachable cable. This microphone is designed for close miking high SPL instruments and sound effects. The M44, which is equipped with a cardioid capsule, is also available in a hypercardioid polar pattern giving the microphone the unique ability to be used in a wide variety of live, studio and broadcast applications.

The M44 is available with a wide array of clips and accessories enabling the microphone to be used for drums, percussion, high SPL musical instruments and high SPL sound effects such as loud booms or explosions.

SUPPLIED ACCESSORIES:

- 25' cable with mini-XLRf - XLRm connectors (CBL-M25)
- Mic stand adapter (MC-MICRO)
- Lug mount adapted for hand percussion instruments with shockmount ring (DCLAMP-MICRO)
- Drum rim mount attachment with shockmount ring (DVICE-MICRO)
- External foam windscreen (WS10)
- Carrying pouch (P1)

OPTIONAL ACCESSORIES:

- SMT-MICRO - Stand adapter with rubber insulated shockmount
- WS1218 - Heavy duty external foam windscreen

MODEL VARIATIONS:

- M44-HC - Same as above with hypercardioid capsule



FEATURES:

- Small, lightweight, low profile
- Miniaturized integrated preamp circuitry
- No external power adapter needed
- 12 mm gold vapor diaphragm
- Extremely low noise, high SPL handling
- Available in cardioid or hypercardioid

APPLICATIONS:

- High SPL Instruments
- High SPL Sound Effects
 - Explosions, Gun Shots, etc.*
- Cymbals
- Percussion
- Brass



SMT-MICRO



DVICE-MICRO



DCLAMP-MICRO



MC-MICRO

SPECIFICATIONS:

| | |
|--|--|
| Transducer Type | Condenser |
| Frequency Response | 50 Hz - 19 kHz |
| Polar Pattern | Cardioid |
| | Hypercardioid |
| Output Impedance | 150 ohms |
| Sensitivity | 3 mV / Pa @ 1k |
| Signal/Noise Ratio (A-weighted) | 69 dB |
| Equivalent Noise Level (A-weighted) | 25 dB |
| Maximum SPL @ .5% THD | ≥150 dB |
| Dynamic Range | 125 dB |
| Power Requirements | 18 – 52 V |
| Connector | 3 pin mini-XLRm |
| Polarity | Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 |
| Housing / Finish | Machined brass / Powder coat |
| Weight | 20 g / 0.7 ounces |
| Length | 54 mm / 2.1 inches |

ARCHITECTS AND ENGINEERS SPECIFICATIONS:

The microphone shall be of the condenser type with a modular threaded capsule available in cardioid and hypercardioid polar patterns. The microphone shall have a fully integrated preamp circuitry thereby eliminating the need for a remote preamplifier. The microphone shall operate on 18 - 52 Volts DC and the nominal output impedance shall be equal to 150 ohms at 1 kHz. The microphone shall have a sensitivity at of 3 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥150 dB with THD of 0.5% and the microphone shall be machined out of brass and the dimensions shall be 12 mm in diameter by 54 mm in length. The microphone shall be the Audix M44.

OPERATION:

The M44 is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer or recording device. The M44 requires phantom power and will NOT operate without phantom power voltage (48 Volts recommended) which is available on most professional mic preamps and mixing devices. If phantom power is not available on your equipment, you will have to procure a phantom power supply (such as the Audix APS2). Avoid plugging or unplugging the microphone from a PA system unless the channel is muted or the volume of the system turned down. Failure to do so may result in a loud "popping" noise which could seriously damage the speakers in the PA system.

USER TIPS:

The M44, which is designed with extremely low sensitivity and very high sound pressure capabilities, is ideally suited for close miking loud instruments such as drums, percussion, brass and vocals.

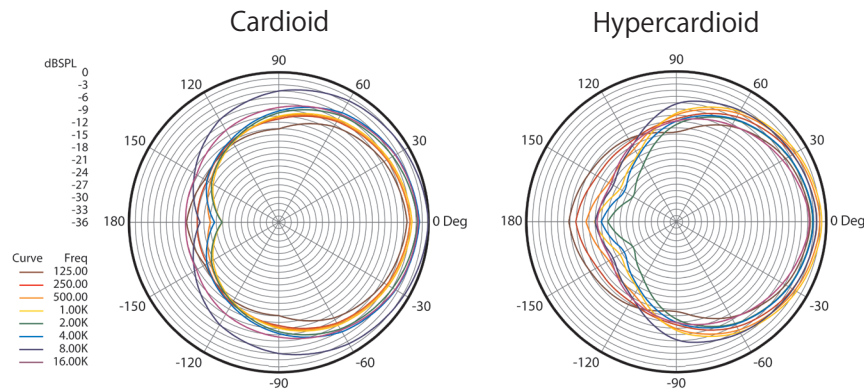
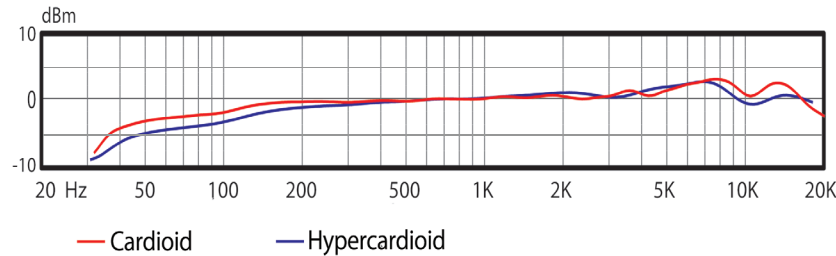
Polar pattern: The M44 is offered in 2 different polar patterns to help you achieve optimum results.

Cardioid (M44): In general, the cardioid pattern is the most widely used as it offers a good balance between the sound of the instrument or voice within the context of the room or venue. The cardioid pattern is also helpful with resistance to feedback. The working range will depend on the sound pressure levels produced by the instrument, but in general the M44 can be within 1-2 inches of the sound source.

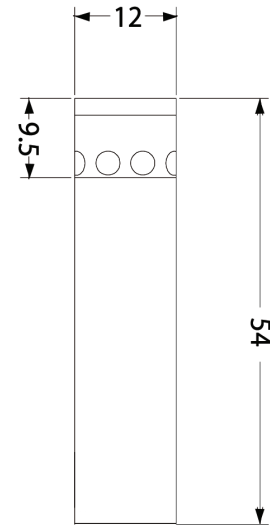
Hypercardioid (M44-HC): This pattern may be used to achieve the optimum amount of feedback control and isolation, which can be valuable on a loud stage or where there are a large number of open microphones.

*Further miking techniques may be found on our website at www.audixusa.com

FREQUENCY / POLARS:



DIMENSIONS (mm):



***All specifications subject to change without notice.

SERVICE AND WARRANTY:

This microphone is under warranty for a period of 3 years from any and all manufacturing defects. Should your microphone fail in any way, please contact the Audix Service department at 503-682-6933. A Return Authorization number is required before returning any products.

CARE AND MAINTENANCE:

The M44 is manufactured to exacting specs with roadworthy construction. However, the capsule is highly sensitive and should be handled with care. Avoid extreme temperatures and be sure to store your microphone in the pouch provided when not in use. Moisture of any kind can adversely affect the sound and performance of your microphone.

To register your microphone, please visit www.audixusa.com



www.audixusa.com Call: 503-682-6933 Fax: 503-682-7114
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