

M1245A MINIATURE CONDENSER MICROPHONE

OVERVIEW:

The M1245A is a miniaturized condenser microphone with a fully integrated preamp and detachable cable. The M1245A, which is equipped with a cardioid capsule, has the ability to be used in a wide variety of live, studio and broadcast applications.

The M1245A is available with a wide array of clips and accessories enabling the microphone to be used for drums, percussion, musical instruments, overhead stage miking, podiums, conferences and presentations.

SUPPLIED ACCESSORIES:

25 'cable with mini-XLRf - XLRm connectors (CBL-M25)
Mic stand adapter (MC-MICRO)
Hanging clip (MC-HANGER)
External foam windscreen (WS1218)
Carrying pouch (P1)

OPTIONAL ACCESSORIES:

MICROBOOM - 50-inch carbon fiber boom arm with clutch assembly
SMT-MICRO - Stand adapter with rubber insulated shockmount
DCLAMP-MICRO - Lug mount adapted for hand percussion instruments with shockmount ring
DVICE-MICRO - Drum rim mount attachment with shockmount ring
MC20i - Clamp on clip for saxophone with shock mount ring
MGN-6 - 6-inch gooseneck with base terminating in standard XLRm
MGN-12 - Same as above in 12 inch length
MGN-18 - Same as above in 18 inch length
ATS10 - Heavy duty shock absorbant table stand

MODEL VARIATIONS:

M1245AW - Same as above in white



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

APPLICATIONS:

Overhead mic for choir, group vocal
Acoustic instruments
Ambient room miking
Symphonic area miking
Speech / Presentation
Cymbals / Percussion



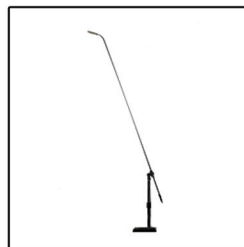
M1245AW



SMT-MICRO



MC-MICRO



MICROBOOM



MGN-18 on ATS10

SPECIFICATIONS:

Transducer Type	Condenser
Frequency Response	80 Hz - 20 kHz
Polar Pattern	Cardioid
Output Impedance	150 ohms
Sensitivity at 1k	9.7 mV / Pa (C)
Signal/Noise Ratio (A-weighted)	73 dB
Equivalent Noise Level (A-weighted)	23 dB
Maximum SPL @ .5% THD	≥144 dB
Dynamic Range	121 dB
Power Requirements	48 – 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	17 g / 0.6 ounces
Length	50 mm / 1.97 inches

ARCHITECTS AND ENGINEERS SPECIFICATIONS:

The microphone shall be of the condenser type with a modular threaded capsule available in a cardioid polar pattern. The microphone shall have a fully integrated preamp circuitry thereby eliminating the need for a remote preamplifier. The microphone shall operate on 48 - 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 9.7 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥144 dB with THD of 0.5% and the microphone shall be machined out of brass and the dimensions shall be 12mm in diameter by 50 mm in length. The microphone shall be the Audix M1245A.

OPERATION:

The M1245A is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer or recording device. The M1245A 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.

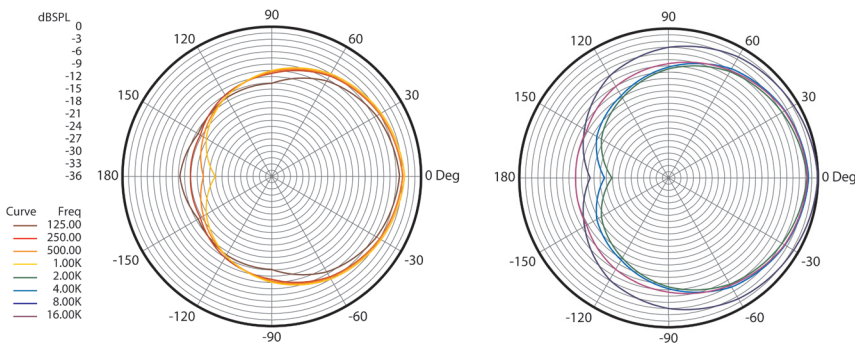
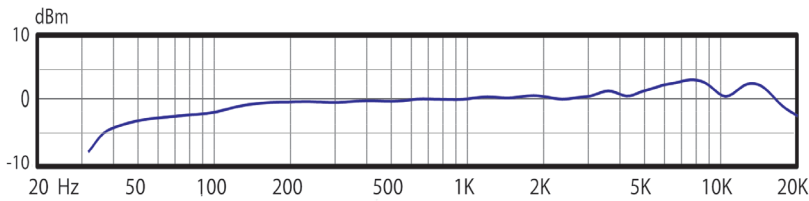
USER TIPS:

The M1245A, despite its size, has all the attributes of a world class recording microphone. Low noise integrated electronics allows the microphone to function in the close field as well as in distance miking. The M1245A can be used on a wide variety of acoustics instruments as well as on voice and vocal ensembles.

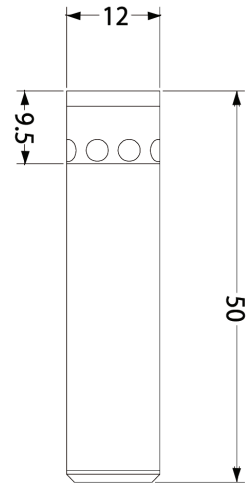
For acoustic instruments, in general, the working range will depend on the sound pressure levels produced by the instrument. Because of its small size the M1245 can be used in hard to reach areas such as beneath cymbals. For orchestral instruments, the M1245A may be positioned anywhere from 3 - 12 inches depending on instrument and room acoustics. For speech or single voice, the typical working distance is 8 - 10 inches. For area miking or group vocals the working distance can be between 2 - 3 feet from the sound source (see ADX40 and MB1245A for choir miking techniques).

*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 M1245A 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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