

# M1250B MINIATURE CONDENSER MICROPHONE

## OVERVIEW

The M1250B is a miniaturized cardioid condenser microphone with a fully integrated preamp, detachable cable and has RF immunity to prevent interference from cell phone and GSM devices. The M1250B is also available with hypercardioid, omni or shotgun capsules, giving the microphone the unique ability to be used in a wide variety of live, studio and broadcast applications.

The M1250B is available with a wide array of clips and accessories allowing the microphone to be used for acoustic instruments, choral miking, overhead stage miking, podiums, conferences and presentations.

## MODEL VARIATIONS

The M1250B mics are also available with white finish.

**M1250BHC** - Hypercardioid mic in black

**M1250BO** - Omnidirectional mic in black

**M1250BS** - Supercardioid mic in black

## SUPPLIED ACCESSORIES

**CBLM25** - 25' cable with mini-XLRf - XLRm connectors

**MCMICRO** - Mic stand adapter

**MCHANGER** - Hanging clip

**WS1218** - External foam windscreen

## OPTIONAL ACCESSORIES

**MICROBOOM** - 24", 50" or 84" carbon fiber boom arm with clutch assembly

**MCSWIVEL** - Shock mount adapter with ball and socket pivot for complete control over mic positioning. For use with The Micros™

**DCLAMPMICRO** - Lug mount adapted for hand percussion instruments with shockmount ring

**DVICEMICRO** - Drum rim mount attachment with shockmount ring

**DFLEXMICRO** - Wide jaw butterfly clip with shockmount ring

**MC20i** - Clamp on clip for Sax, Trumpet and other brass instruments

**MGN Series** - 6", 12" or 18" gooseneck with base terminating in standard XLRm

**ATS10** - Heavy duty shock absorbent table stand



## FEATURES

- Lightweight, small profile
- Miniaturized preamp circuitry
- No external power adapter needed
- 12 mm gold vapor diaphragm
- Immune to RF interference
- Extremely low noise, high SPL handling
- Designed, assembled, manufactured & tested in the USA
- 3 year warranty

## APPLICATIONS

- Acoustic instruments
- Ambient room miking
- Symphonic area miking
- Speech, Presentation
- Cymbals, Percussion
- Acoustic miking
- Choral miking



DFLEX MICRO



MCSWIVEL



MC HANGER



MICROBOOM



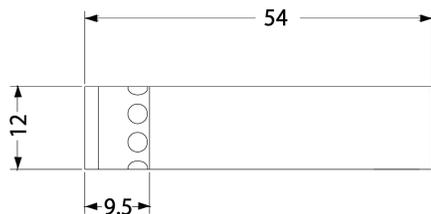
MGN 18 on ATS10

# M1250B

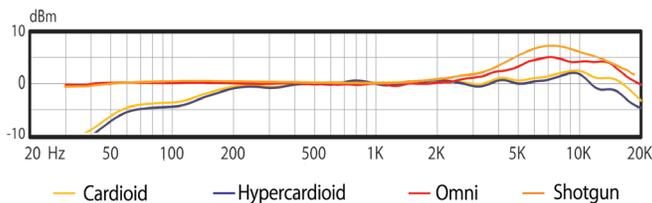
## SPECIFICATIONS

Transducer Type	Condenser
Frequency Response	50 Hz - 19 kHz
Polar Pattern	Cardioid, Hypercardioid, Omni, Supercardioid
Output Impedance	150 ohms
Sensitivity	10 mV (C/HC), 11mV (O/S) / Pa @ 1k
Signal/Noise Ratio	73 dB
Equivalent Noise Level	21 dB (A-weighted)
Maximum SPL	≥140 dB
Dynamic Range	119 dB
Power Requirements	18-52 V
Current Consumption (at 48 Volts):	6.1 milliamps
Connector	3 pin mini-XLRm
Materials / Finish	Machined Brass / Black Finish
Weight	16 g / 0.56 oz
Length	54 mm / 2.1 in

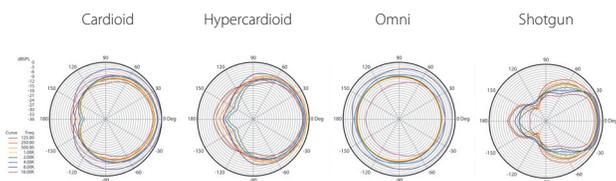
## DIMENSIONS (mm)



## FREQUENCY RESPONSE



## POLAR PATTERNS



**PRODUCT REGISTRATION:** Please register your product online at [www.audixusa.com/docs\\_12/about/product\\_registration.shtml](http://www.audixusa.com/docs_12/about/product_registration.shtml).

**SERVICE AND WARRANTY:** This microphone is under warranty for a period of 3 years to be free of defects in material and workmanship. In the event of a product failure due to materials or workmanship, Audix will repair or replace said product at no charge with proof of purchase. Audix does not pay or reimburse shipping costs for warranty repairs or returns. The warranty excludes any causes other than manufacturing defects, such as normal wear, abuse, environmental damage, shipping damage or failure to use or maintain the product per the supplied instructions. No Implied Warranties: All implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose are hereby excluded. The liability of Audix, if any, for damages relating to allegedly defective products shall be limited to the actual price paid by Dealer for such products and shall in no event include incidental or consequential damages of any kind. Should your microphone fail in any way, please contact the Audix Service department at 503.682.6933. A Return Authorization is required before returning any product. OTHER THAN THIS WARRANTY, AUDIX MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS, THE USE OF THE PRODUCTS, THE PERFORMANCE OF THE PRODUCTS. AUDIX SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES ARISING FROM OR BASED ON THE SALE, USE, STORAGE OR DISPOSAL OF THE PRODUCTS, AUDIX'S SERVICE WORK, BREACH OF WARRANTY, BREACH OF CONTRACT. NEGLIGENCE, OR ANY OTHER THEORY OF LIABILITY, EVEN IF AUDIX HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## ARCHITECT AND ENGINEER SPECIFICATIONS

The microphone shall be of the condenser type with a modular threaded capsule available in cardioid, hypercardioid, omni and supercardioid polar patterns. The microphone shall be protected from RF interference. The microphone shall have a fully integrated preamp circuit thereby eliminating the need for a remote preamplifier module. 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 of 10 mV (C/HC), 11mV (O/S) / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥140 dB with THD of 0.5%, 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 M1250B.

## OPERATION

The M1250B is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer or recording device. The M1250B 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, use 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, studio monitors or headphones.

## USER TIPS

The M1250B, 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. It can be used on a wide variety of acoustics instruments as well as on voice and vocal ensembles.

**Cardioid:** 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. For instruments, the M1250B 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.

**Hypercardioid:** In situations where the volume is loud on stage or there are many open microphones, this pattern is helpful in further isolating the instrument or vocal from the rest of the instruments on stage. The microphone can be worked at ½ the distance of cardioid if necessary.

**Supercardioid:** This pattern has a longer reach and more narrow pattern than the other cardioid patterns. This pattern is helpful for podium applications where more distance is a factor. It is helpful in pin-pointing hard to reach areas, especially for recording outdoors, and with video.

**Omni:** This pattern offers the most accurate and natural sound reproduction of all the patterns. It is ideal for recording, live broadcasts or video where sound reinforcement speakers are not an issue.

Further miking techniques may be found on our website at [www.audixusa.com](http://www.audixusa.com).