

# MicroD Condenser Instrument Microphone

## OVERVIEW

Designed, assembled and tested by Audix in the USA, the MicroD is a miniaturized condenser microphone used for professional stage and studio applications. The MicroD, known for its clarity, excellent transient response, resistance to feedback, SPL (Sound Pressure Level) handling and ease of operation, is primarily aimed for miking drums and percussion instruments.

The MicroD is characterized with a uniformly controlled hypercardioid polar pattern provides excellent isolation and feedback control on stage as well as natural sound reproduction at very close distances.

With a smooth and accurate response over a frequency range of 40 Hz - 20 kHz, the MicroD is lightweight, compact and simple to use. Housed in an aluminum ring and isolated by means of a rubber shockmount system, the MicroD comes with the DVICEMICRO mount for drums. The DCLAMPMICRO mount is an optional accessory for hand percussion. Other accessories are available, enabling the MicroD to be used on a mic stand or cymbal stand for a wider variety of applications.

The MicroD operates on phantom voltage of 9 - 52 Volts and is supplied with a phantom power adapter, 6' integrated mic cable and carrying pouch.

## MODEL VARIATIONS

**MicroHP** - Cardioid version with DCLAMPMICRO for use with hand percussion instruments

## SUPPLIED ACCESSORIES

6' attached shielded cable with mini XLRf connector

**DVICEMICRO** - Optional flexible mini-gooseneck with springloaded rim mount clamp. Aluminum ring with rubber shock mount

**APS910** - 48 V phantom power adapter for use with electret condenser mics

**WS20** - External foam windscreens for reducing wind, sibilance, and pop noise

**P1** - Carrying pouch

## OPTIONAL ACCESSORIES

**MCMICRO** - Mic stand adapter.

**SMTMICRO** - Optional mic stand adapter with rubber shock mount housed within an aluminum ring.

**DFLEXMICRO** - Dual pivot arm and extra wide butterfly jaws.

**APS911** - Optional phantom power adapter. Runs on AA batteries when phantom power is not available. Features on/off switch and bass roll-off filter.

**DCLAMPMICRO** - Flexible mini-gooseneck lug clamp for drums, congas and percussion. Aluminum ring with rubber shock mount holder.

**MCSWIVEL** - Shock mount adapter with ball and socket pivot.



## FEATURES

- Miniature condenser clip-on microphone
- Manages high SPLs without distortion
- DVICE rim mount clip
- Rubber shock mount system reduces vibration
- Includes APS910 phantom power adapter
- Designed, assembled & tested in the USA
- 3 year warranty

## APPLICATIONS

- Drums
- Hand percussion
- Cymbals, percussion toys



DVICEMICRO



APS910



WS20



P1



MCMICRO



SMTMICRO



DFLEXMICRO



APS911



DCLAMPMICRO



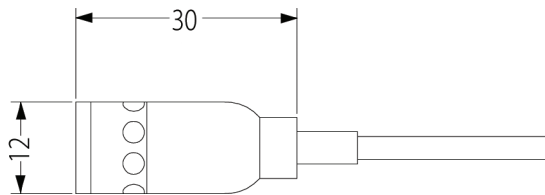
MCSWIVEL

# MicroD

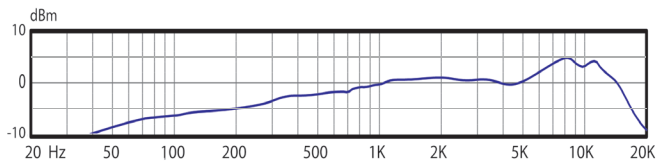
## SPECIFICATIONS

Transducer Type	Pre-Polarized Condenser
Frequency Response	40 Hz - 20 kHz
Polar Pattern	Hypercardioid
Output Impedance	250 ohms
Sensitivity	5.6 mV / Pa @ 1k
Equivalent Noise Level	24 dB
Signal to Noise Ratio	70 dB
Maximum SPL	≥140 dB
Power Requirements	9 - 52 V phantom
Connector	3-pin mini to 3-pin XLRm (APS910)
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3
Materials / Finish	Machined Brass Capsule / Black Finish
Gooseneck	Flexible Steel
Weight	47 g / 1.6 oz
Length	30 mm / 1.14 in

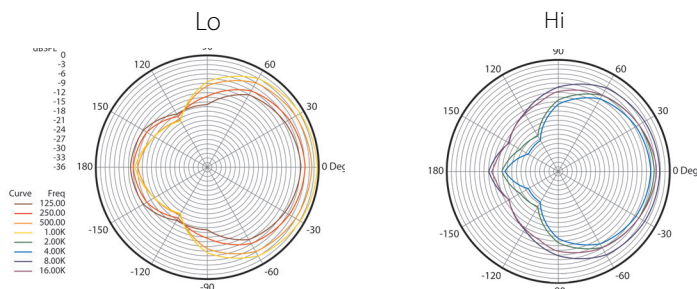
## DIMENSIONS (mm)



## 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:** These microphones are 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. The microphone shall be available in a hypercardioid polar pattern and shall have a 6' cable terminating in a mini XLR female connector. The microphone shall be provided with a remote cylindrical phantom power adapter that shall allow the microphone to operate between 9 Volts and 52 Volts phantom power. The microphone shall have a sensitivity of 5.6 mV / Pa and a nominal impedance of 250 ohms at 1 kHz. The microphone shall have a maximum SPL level of ≥140 dB at 0.5% THD and shall be machined out of brass with a length of 30 mm and a capsule diameter of 12 mm.

## OPERATION AND MAINTENANCE

The MicroD is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer or recording device. The MicroD requires phantom power and will NOT operate without phantom power voltage (minimum of 9 - 52 Volts) which is available on most professional mic preamps and mixing devices. If phantom power is not available on your equipment, you may use the Audix APS911 which is an optional accessory that allows for battery operation. 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.

**APS910 phantom power adapter:** Note that the mini XLRf connector at the end of the MicroD mic cable plugs into mini XLRm side of the APS910 power adapter. From there, plug a standard XLR-XLR microphone cable to complete the connection from the APS910 to the mixing board. The MicroD 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.

## USER TIPS

**Drums:** The MicroD is designed to clip on the rim of a drum (see photo on front page). The provided clip (DVICE) is spring loaded. The inside slider portion of the clip should be attached to the bottom part of the rim first and the clip lifted up and over the top rim for a tight tension fit. You can adjust the position of the gooseneck by means of the lower thumb screw on the DVICE. The mic itself is generally positioned 2-3 inches off the drum head and slightly inside the rim pointing towards the head.

**Percussion:** Using the DCLAMP, simply attach the threaded mount to the lug of the percussion instrument. Adjust the height of the gooseneck by means of the lower thumbscrew. The mic can be positioned 2-3 inches above the head of the instrument and aimed towards the center of the head.

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