

# f9 Condenser Instrument Microphone

## OVERVIEW

The f9 is a professional pre-polarized condenser microphone used for stage and studio applications. The f9 is known for its clear, accurate response particularly in the upper frequency range. Ideally suited for a wide variety of acoustic instruments, the f9 is excellent for cymbals, drum overheads, misc. percussion and ambient room miking.

Characterized with a uniformly controlled cardioid polar pattern, the f9 is designed to capture the acoustics of the instrument being miked while at the same time isolating it from the rest of the instruments on stage. The f9 features a 16 mm pre-polarized capsule with gold vapor diaphragm and a frequency response of 40 Hz – 20 kHz.

The f9 is easy to position, durable and manufactured with high standards and tight tolerances. The f9 is manufactured with a precision cast zinc alloy body, durable black E-coat finish and gold plated XLR connector.



## SUPPLIED ACCESSORIES

**DCLIP** - Heavy-duty nylon molded snap on clip

**P1** - Carrying pouch

## OPTIONAL ACCESSORIES

**TRIPOD** - Metal tripod desktop stand for use with any 5/8" threaded mic clip.

**DFLEX** - Dual pivot rim mounted clip with extra wide butterfly jaws. Attaches firmly to drum rims, congas, mic stands, drum stands, or goodie table. Comes stock with DCLIP but can be used with any standard mic clip.

**DVICE** - Flexible mini-gooseneck with spring loaded rim mount clamp. Includes DCLIP plastic clip.

**DCLAMP** - Flexible mini-gooseneck with drum tension lug mount. Includes DCLIP plastic clip.

**CBL20** - 20' premium XLR-XLR balanced mic cable. Quad conductor, twisted pair with braided shield for maximum conductivity. 6 mm PVC jacketed.

**CBLDR25** - 25' premium right angle XLR-XLR balanced mic cable. Quad conductor, twisted pair with braided shield for maximum conductivity. 6 mm PVC jacketed.

**SMT25** - Optional low profile shock mount system with nylon cable and thumbscrew for positioning.

**WS81C** - External foam windscreen for reducing wind, sibilance, and pop noise.

**APS2** - Two-channel 48 V phantom power supply for condenser microphones. 110 V switchable to 240 V. Detachable power cord.

## FEATURES

- All-purpose pencil condenser microphone for live sound or home studio
- Excellent transient response
- Modular capsule design
- 3 year warranty

## APPLICATIONS

- Cymbals
- Overheads
- Hi-Hat
- Percussion
- Acoustic instruments
- Audience mic



DCLIP



P1



TRIPOD



DFLEX



DVICE



DCLAMP



CBL20



CBLDR25



SMT25



WS81C

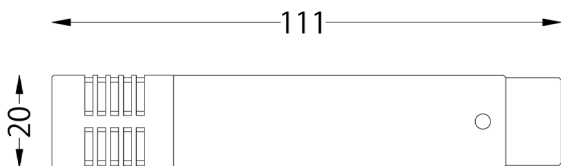


APS2

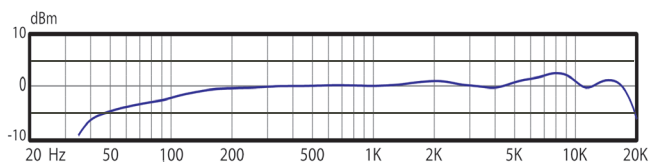
## SPECIFICATIONS

Transducer Type	Pre-Polarized Condenser
Frequency Response	40 Hz - 20 kHz
Polar Pattern	Cardioid
Output Impedance	200 ohms
Sensitivity	8 mV / Pa @ 1k
Capsule Technology	Gold Vapor Deposition
Equivalent Noise Level	25 dB (A-weighted)
Signal to Noise Ratio	69 dB
Off-Axis Rejection	>24 dB
Maximum SPL	≥137 dB
Power Requirements	12-48 V Phantom
Dynamic Range	112 dB
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector
Materials / Finish	Zinc Alloy / Black Finish
Weight	95 g / 3.3 oz
Length	111 mm / 4.37 in

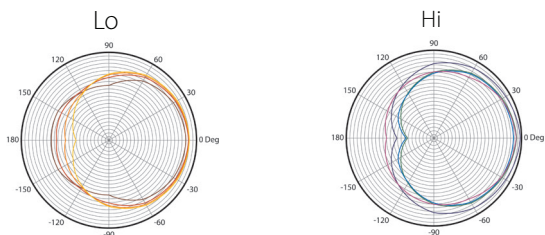
## DIMENSIONS (mm)



## 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 a back plate pre-polarized condenser with a cardioid polar pattern. The microphone shall operate on 12-48 Volts phantom power and the nominal output impedance shall be equal to 200 ohms at 1 kHz. The microphone shall have a sensitivity of 8 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of 137 dB with a THD of 0.5%. The microphone shall be cast from zinc alloy with dimensions of 19 mm in diameter at the base, 20 mm in diameter at the widest point and 111 mm in length. The microphone shall be the Audix f9.

## OPERATION AND MAINTENANCE

The f9 will NOT operate without phantom power voltage (12-48 Volts) which is available on most professional mic preamps and mixing devices. If phantom power is not available on your equipment, you will have to purchase 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 is turned down. Failure to do so may result in a loud "popping" noise which could seriously damage the speakers in the PA system.

The f9 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 effect the sound and performance of your microphone.

## USER TIPS

The f9, an excellent choice to mic any kind of acoustic instrument, has a cardioid pick-up pattern which helps to eliminate sound from other instruments on stage from "bleeding" into the microphone. However, the f9 is much more sensitive than a dynamic and will pick-up sound from a greater distance. The acoustic nature of the instrument being miked along with how loud it is will determine how far the microphone should be from the sound source. For example, the f9 can be placed 1-2 feet above the cymbals of a drum kit and still pick up plenty of sound, whereas for a acoustic guitar, the mic will need to be placed within 8-12 inches to be effective. Allow a distance of 2-3 feet between microphones to avoid phase issues.

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