

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 an excellent choice for cymbals, overhead, goodie table, 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 very easy to position, durable and manufactured with high standards and tight tolerances. Roadworthy construction includes a precision cast zinc alloy body, black coat finish, laser etched model and serial number, steel mesh grill, gold XLR connector and a tension-fit heavy duty nylon mic clip.

SUPPLIED ACCESSORIES:

Mic stand adapter (D-CLIP)
Carrying pouch (P1)

OPTIONAL ACCESSORIES:

TRIPOD - Tripod mic stand
DFLEX - All purpose percussion clamp
DVICE - Spring loaded rim mount clamp
DCLAMP - Tension rod mic clamp
CBL-20 - 20' XLR - XLR mic cable
CBL-DR25 - 25' right angle XLR-XLR mic cable
SMT-25 - Shockmount suspension clip
WS-81 - External foam windscreen
APS-2 - Two-channel phantom power supply



FEATURES:

Excellent multi-purpose instrument microphone
Interchangeable threaded capsule
Ideal for medium field (8-12 inches) or far field (12-24 inches)
Cast zinc alloy housing

APPLICATIONS:

Cymbals
Overheads
Hi-Hat
Goodie Table
Audience mic



F9 on Cymbal



D-FLEX



TRIPOD



SMT25



CBL20

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 diaphragm
Off Axis Rejection	≥24 dB
Noise Floor	22 dB (A weighted)
Signal to Noise Ratio	72 dB
Dynamic Range	115 dB
Maximum SPL	≥137 dB
Power Requirements	12-48 volts phantom
Connector	3 pin gold plated male XLR connector
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector
Housing / Finish	Cast zinc alloy / Black coat
Weight	91 g / 3.2 ounces
Length	111 mm / 4.37 inches

ARCHITECTS AND ENGINEERS 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:

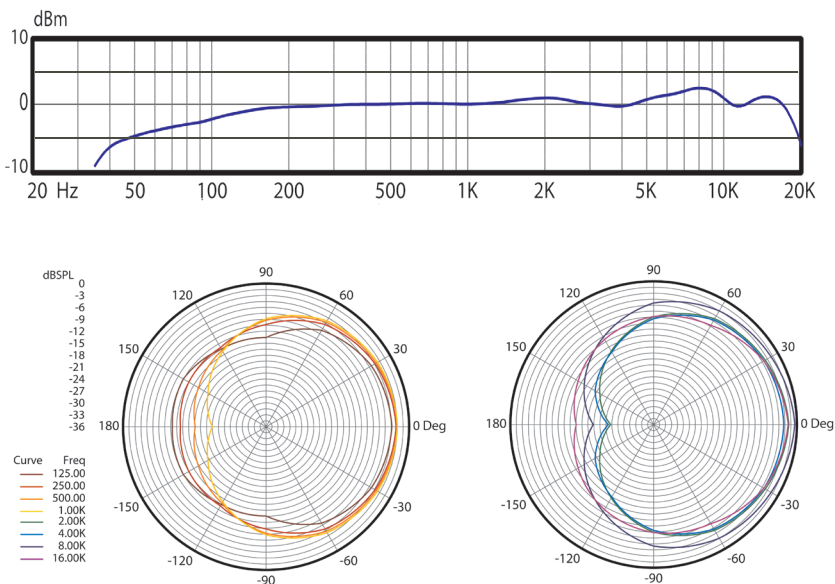
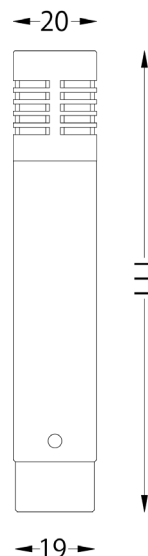
The F9 will NOT operate without phantom power voltage (12-48 Volts) which is available on most professional mic preamps and mixing devices. If phantom power is not available on your equipment, you will have to purchase a phantom power supply (such as the Audix APS-2). Avoid plugging or unplugging the 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.

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 an 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 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 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 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
Audix Corporation 9400 SW Barber Street, Wilsonville, OR 97070