

F90 INSTRUMENT CONDENSER MICROPHONE

OVERVIEW:

The F90 is a cost effective miniature clip-on condenser microphone used for drums and percussion applications. The F90, known for its size, convenience and ease of operation, is intended for rehearsal bands, small clubs, schools and houses of worship.

Characterized with a uniformly controlled cardioid polar pattern the F90 provides a rich, full sound at distances of 3-4 inches off the drum head. With a smooth and accurate response over a frequency range of 50 Hz - 18 kHz, the F90 is lightweight, compact, and simple to use. The flexible gooseneck, along with the 90-degree angle of the microphone head, puts the microphone in the proper position for placement directly over the sound source. Any final adjustments can be made by simply twisting or bending the gooseneck into the desired position.

The F90 operates on phantom voltage of 9-52 Volts and is supplied with a phantom power adapter, 6' integrated mic cable, and foam windscreens.

SUPPLIED ACCESSORIES:

Cylindrical preamplifier for use with phantom power (APS90)
External foam windscreens
6' attached shielded cable with mini XLRf connector



FEATURES:

- Small, lightweight, low profile
- Wide pick-up pattern for miking multiple drums
- Miniaturized integrated preamp circuitry
- Easy to position
- 3 year warranty

APPLICATIONS:

- Drums
- Hand percussion
- Cymbals, percussion toys



F90 on Snare

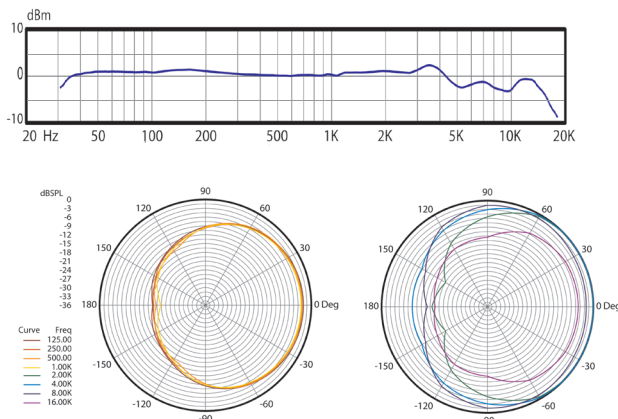


F90 Blister Pack

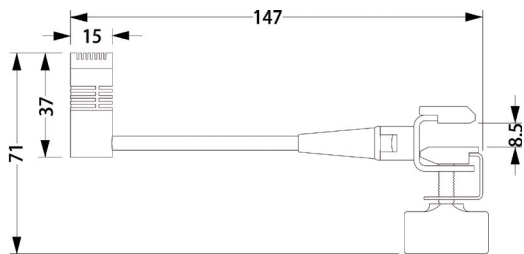
SPECIFICATIONS:

Transducer Type	Condenser
Frequency Response	50 Hz - 18 Hz
Polar Pattern	Cardioid
Output Impedance	250 Ohms
Sensitivity	8.8 mV / Pa @ 1k
Equivalent Noise Level	29 dB (A weighted)
Signal to Noise Ratio	65 dB
Power Requirements	9 - 52 Volts phantom
Maximum SPL	≥135 dB
Cable/Connector	Mini 3 pin gold plated XLRf connector
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector
Housing / Finish	Brass / Black E-coat
Weight	170 g / 6 ounces
Length	30 mm / 5.1 inches

FREQUENCY / POLARS:



DIMENSIONS (mm):



ARCHITECTS AND ENGINEERS SPECIFICATIONS:

The microphone shall be of the condenser type available in a cardioid 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 will allow the microphone to operate between 9 volts and 52 volts phantom power. The microphone shall have a sensitivity of 8.8 mV / Pa and a nominal impedance of 250 ohms at 1 kHz. The microphone shall have a maximum SPL level of ≥135 dB and shall be machined out of brass with a length of 31 mm and a capsule diameter of 15 mm. The microphone shall be the Audix F90.

OPERATION AND MAINTENANCE:

The F90 is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer, or recording device. The F90 requires phantom power and will NOT operate without phantom power voltage (9 - 52 Volts) which is available on most professional mic preamps and mixing devices. Avoid plugging or unplugging the microphone from the 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.

APS90 phantom power supply: Note that the mini-XLRf connector at the end of the F90 mic cable plugs into mini-XLRm side of the APS90 power supply. From there, plug a standard XLR-XLR microphone cable to complete the connection from the APS90 to the mixing board.

USER TIPS:

Drums: The F90 is designed to clip on the rim of a drum, to a drum suspension system, and on some types of stands. The position of the F90 should be 2-3" off the drum head. It is not necessary or desirable to place the microphone too close to the drumhead.

Miking more than one drum with one mic: The F90 has a wide cardioid pick-up pattern, which means that it is possible to use the mic to pick up multiple drums. For example: the mic could be placed between the snare and the high hat, effectively miking both instruments. The same could be done for two rack toms.

Percussion: The F90's integral clamp fits most standard (butcher-block) timbale and conga rims, but a separate stand may be needed to accommodate curved conga/bongo rims.

Brass: The F90 can be used successfully for saxophone, trumpet, and trombone. Simply attach the clamp to the bottom part of the bell so that the mic is pointing in the direction of the bell. Do not try to force the mic inside the bell as the mic is designed to sound best if it is slightly off axis from the source. In the case of trumpet, this is ideal because the player can use a mute without having to remove the microphone.

*Further miking techniques may be found on our website at www.audixusa.com

***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 F90 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.



www.audixusa.com
503-682-6933 Fax: 503-682-7114

Audix Corporation 9400 SW Barber St. Wilsonville, OR 97070



AUDIX WARRANTY REGISTRATION FORM

Name: _____ Model: _____
 Company: _____ Serial Number: _____
 Address: _____ Store: _____
 City: _____ Store Location: _____
 Prov./State: _____ Zip: _____ Purchase Date: _____
 Phone: () _____ Signature: _____
 Email: _____ Date: _____

Please Check all that apply:

Male Female

Age:

- 18 or Under
- 19-25
- 26-35
- 36-45
- 46-55
- 55 +

Occupation:

- Musician
- Producer
- Sound Eng.
- Radio/TV
- Production
- Other _____

Primary Instruments:

- Vocal
- Guitar / Bass
- Drums
- Keyboard
- Brass
- Woodwinds
- Strings
- Other _____

Product to be used for:

- Pro live sound
- Pro recording
- Home recording
- Rehearsal
- Installation
- School
- House of Worship
- Other _____

How did you hear about Audix?

- Magazine Ad
- On-line Store
- Salesman
- Online Ad
- Friend
- Other _____

Do you own other Audix Products? Yes No

Model(s) _____

Have you visited the Audix website? Yes No

Please register your product online at www.audixusa.com or mail this form to:
 Audix Microphones P.O. Box 4010 Wilsonville, OR 97070