

F15 CONDENSER INSTRUMENT MICROPHONE

OVERVIEW:

The F15 is a condenser instrument microphone designed for live sound and studio applications. Characterized with a tailored frequency response of 100 Hz - 20 kHz, the F15 is ideally suited for instruments requiring detailed reproduction in mid-high and extended high end frequency ranges. A wide cardioid pick-up pattern along with high sensitivity allows for close miking as well as overhead and distance miking.

Compact and roadworthy, the F15 features a durable die cast zinc alloy body and steel mesh grill.

Low impedance and balanced output allow interference-free performance even with long cable runs. The F15 operates on phantom power of 9-52 volts.

SUPPLIED ACCESSORIES:

Mic stand adapter (MC2)

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:

- Multi-purpose instrument microphone
- Excellent for capturing high frequencies
- Easy to position and use
- Roadworthy construction
- 3 year warranty

APPLICATIONS:

- Cymbals
- Overheads
- Hi-Hat
- Goodie Table
- Audience mic



F15 on Cymbal



D-FLEX



TRIPOD



SMT25



CBL-20

SPECIFICATIONS:

Transducer Type	Pre-polarized condenser
Frequency Response	100 Hz - 20 kHz
Polar Pattern	Cardioid
Output Impedance	200 ohms
Sensitivity	10 mV / Pa @ 1k
Capsule Technology	Black plate electret
Off Axis Rejection	≥15 dB
Noise Floor	25 dB (A weighted)
Signal to Noise Ratio	69 dB
Dynamic Range	110 dB
Maximum SPL	≥135 dB
Power Requirements	9-52 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	Die cast zinc / Black E-Coat
Weight	184 g / 6.5 ounces
Length	160 mm / 6.3 inches

ARCHITECTS AND ENGINEERS SPECIFICATIONS:

The microphone shall be a back plate pre-polarized condenser available with a cardioid polar pattern. The microphone shall operate on 9-52 Volts phantom power and the nominal output impedance shall be equal to 200 ohms at 1 kHz. The microphone shall have a sensitivity of 10 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥135 dB with THD of 0.5%. The microphone body shall be of die cast zinc alloy and the dimensions shall be 19 mm in diameter at the base, 28.5 mm in diameter at the widest point on the grill and 160 mm in length. The microphone shall be the Audix F15.

OPERATION:

The F15 is a low impedance microphone and should be plugged into the “mic level” of your console, mixer, or recording device. Please note that the F15 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, 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:

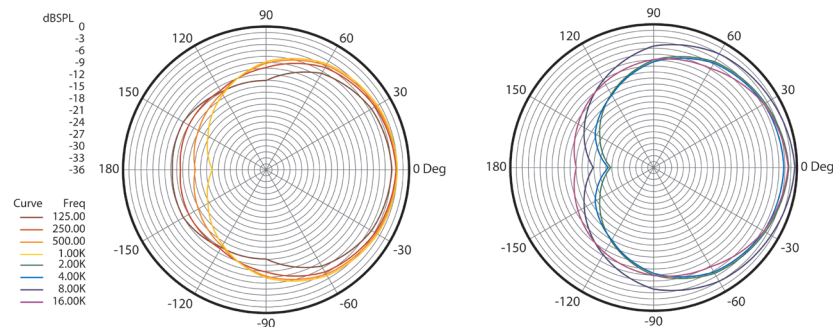
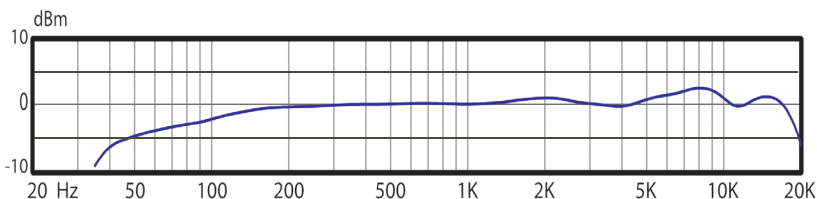
The F15 has a cardioid pick-up pattern which helps to eliminate sound from other instruments on stage from “bleeding” into the microphone. However, since the F15 is a condenser microphone, it is much more sensitive than a dynamic and will pick-up sound from a greater distance.

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, an F15 can be placed 1-2 feet above the cymbals of a drum kit and still pick up plenty of sound, whereas for a high-hat an F15 will need to be within 4-6 inches to be effective.

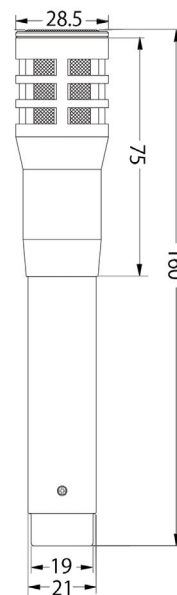
Allow a distance of 2-3 feet between microphones to avoid phase issues.

*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 F15 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
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