

SCX25A STUDIO CONDENSER MICROPHONE

OVERVIEW:

The SCX25A is a professional studio condenser microphone with an elegant design and a patented capsule suspension system. Uniquely shockmounted within an intricate machined brass ring, the SCX25A capsule is completely isolated from the mic body and electronics. By successfully minimizing acoustic reflections and diffractions, the SCX25A delivers a pure, open-air sound with exceptional detail and realism.

With a smooth uniform frequency response from 20 Hz - 20 kHz, the SCX25A is very consistent when responding to on and off-axis signals, exhibiting excellent phase coherence and minimal proximity effect. The SCX25A is characterized with a wide cardioid polar pattern which enables the sound engineer the opportunity to blend the sound of the instrument or vocal with the sound of the room. Other features include a one-inch (25 mm) gold vapor capsule, miniaturized electronics, and an extremely small footprint. The SCX25A will handle sound pressure levels in excess of 135 dB and will provide up to 20 dB of ambient noise rejection.

In addition to vocals, the SCX25A is ideally suited to capture acoustic instruments such as piano, guitar, vibes, woodwinds, brass, percussion toys, drum overheads, orchestra and symphony sectionals.

The SCX25A, which is manufactured to exacting standards and tight tolerances, features a precision machined brass body, innovative capsule suspension system, steel mesh grill, black e-coat finish, laser etched model and serial number, Switchcraft® XLR connector, and heavy duty nylon clip.

SUPPLIED ACCESSORIES:

Foam lined wooden case (CASE-WOOD)
Tension-fit heavy duty nylon mic clip (DCLIP)
Metal adapter to accommodate 3/8" mic stands

OPTIONAL ACCESSORIES:

APS-2 - Two-Channel phantom power supply
DFLEX - Dual pivot clip for piano mounting
STAND-KD - Pedestal boom stand
SMT-25 - Shockmount system
PD-133 - Pop diffuser
CBL-20 - 20' XLR-XLR microphone cable
P1 - Carrying pouch

MODEL VARIATIONS:

SCX25A-MP - Matched pair
SCX25A-PS - Piano miking system (2 SCX25A, 2 DFLEX, 2 CBL-20)



FEATURES:

Innovative design
Isolated capsule suspension system
Low noise electronics
Extremely small footprint
brass body only 4 inches long

APPLICATIONS:

Studio vocals, lead and backing
Voice over
Choir
Ambient room mic
Drum overheads
Orchestra
Acoustic instruments
piano, sax, strings, guitar, flute
Bells, chimes, marimba, vibes



DCLIP



SMT-25



CASE-WOOD



APS-2



SCX25A-PS

SPECIFICATIONS:

Transducer Type	Condenser
Frequency Response	20 Hz - 20 kHz
Polar Pattern	Cardioid
Output Impedance	200 ohms
Sensitivity at 1k	28 mV / Pa
Equivalent Noise Level	14 dB (A weighted)
Signal to Noise Ratio	80 dB
Maximum SPL	≥135 dB
Dynamic Range	121 dB
Power Requirements	48-52 volts phantom
Connector	Switchcraft® male XLR connector
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector
Housing / Finish	Machined Brass / Multi-layer Class 'A' liquid
Weight	244 g / 8.6 ounces
Length	148 mm / 5.8 inches

ARCHITECTS AND ENGINEERS SPECIFICATIONS:

The microphone shall be of the condenser type with a cardioid polar pattern. The microphone shall operate on 48-52 volts phantom power and the nominal output impedance shall be equal to 200 ohms at 1 kHz. The microphone shall have a sensitivity of 28 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥135 dB with a THD of 0.5%. The microphone shall have a fine steel mesh grill and a body machined of brass with dimensions of 21 mm diameter at the base, 51 mm in diameter at the widest point on the grill and 148 mm in length. The microphone shall be the Audix SCX25A .

OPERATION:

The SCX25A is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer, or recording device. The SCX25A 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 procure 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 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 correct side: Note that the front of the microphone element is on the same side as the printing. This side of the microphone should be facing towards the sound source.

The SCX25A is a world class recording microphone with very high output and sensitivity. Therefore, it is not intended to be used at very close range, especially with instruments that produce high sound pressure levels.

For acoustic instruments: In general, the working range should be from 1-2 feet, depending on the instrument and room acoustics. For voice, the minimum distance is 8-10 inches for a single voice.

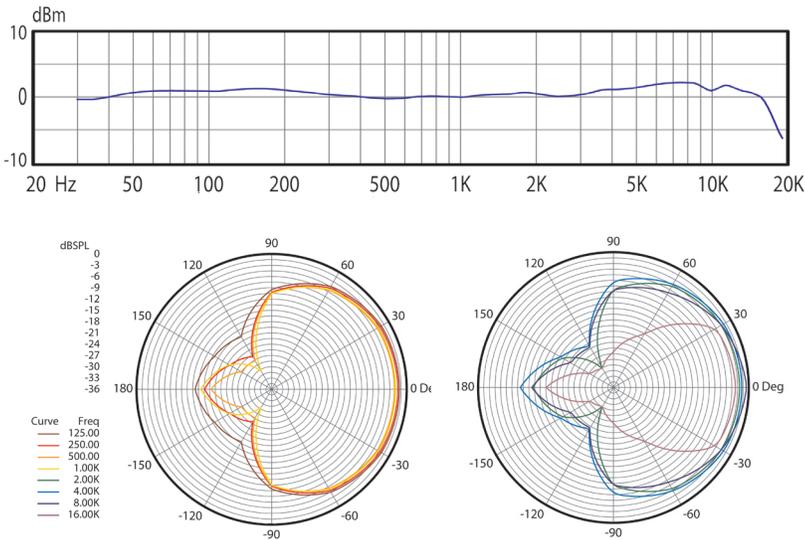
For group vocals: Place microphone 2-3 feet away.

For piano: For live performance and live recordings, it is sometimes recommended to use the short stick or closed lid in order to minimize the surrounding instruments from "bleeding" into the piano mics. In these cases, it is suggested to use the Audix DFLEX mounting clips which enable the SCX25A to be mounted right on to the rail of the piano. The mics can be positioned horizontal to the sound board, typically one towards the front of the keyboard and one towards the rear of the

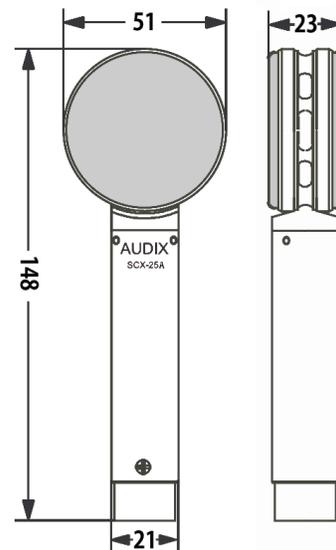


*Further miking techniques may be found on our website at www.audixusa.com

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 SCX25A 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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