

# 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 SPL in excess of 135 dB and will provide up to 20 dB of ambient noise rejection. For a lower output option, the SCX25A-Lo is available with an SPL of 150 dB and a sensitivity of 4.9 mV/Pa.

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 features a precision machined brass body, innovative capsule suspension system, steel mesh grill, black multi-layer class 'A' liquid finish, laser etched model and serial number, Switchcraft® or Audix 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 Low noise microphone cable  
P1 - Carrying pouch

## MODEL VARIATIONS:

SCX25A-Lo - Low output version of SCX25A  
SCX25A-MP - Matched pair  
SCX25A-PS - Piano miking system (2 SCX25A, 2 DFLEX, 2 CBL-20, Aluminum road case)



## 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



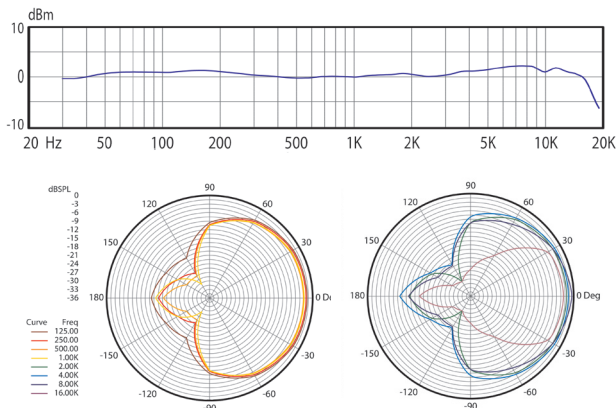
SCX25A PS

# SCX25A

**SPECIFICATIONS:**

Transducer Type	Condenser	
Frequency Response	20 Hz - 20 kHz	
Polar Pattern	Cardioid	
Output Impedance	200 ohms	
Sensitivity at 1k	SCX25A	28 mV / Pa
	SCX25A -Lo	4.9 mV / Pa
Equivalent Noise Level	14 dB (A weighted)	
Signal to Noise Ratio	80 dB	
Maximum SPL	SCX25A	≥135 dB
	SCX25A-Lo	≥150 dB
Dynamic Range	121 dB	
Power Requirements	48-52 volts phantom	
Connector	Switchcraft® or Audix 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	

**FREQUENCY / POLARS:**



\*\*\*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.

**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.

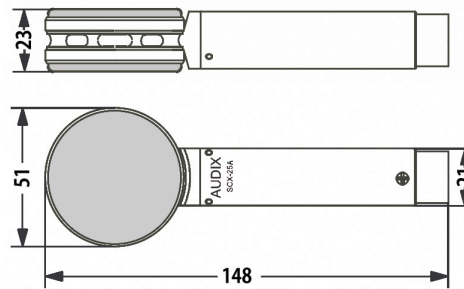
**For group vocals:** Place microphone 2-3 feet away.

**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 keyboard over the bass strings.



\*Further miking techniques may be found on our website at [www.audixusa.com](http://www.audixusa.com)

**DIMENSIONS (mm):**



[www.audixusa.com](http://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 register your product online at [www.audixusa.com](http://www.audixusa.com) or mail this form to:  
 Audix Microphones P.O. Box 4010 Wilsonville, OR 97070

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