

SCX25A

PREMIUM LARGE DIAPHRAGM STUDIO CONDENSER MICROPHONE

OVERVIEW

The SCX25A is a professional studio condenser microphone with an elegant design and a patented capsule suspension system. Uniquely shock-mounted within an intricate machined brass ring, the 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.

The SCX25A is consistent when responding to on and off-axis signals. This mic exhibits outstanding phase coherence and minimal proximity effect. With a wide cardioid polar pattern, the SCX25A enables the sound engineer to blend the sound of the instrument or vocal with the sound of the room. The SCX25A large diaphragm microphone will handle SPLs in excess of 135 dB and provides up to 20 dB of ambient noise rejection.

Affectionately referred to as “The Lollipop,” The SCX25A cardioid studio condenser microphone is perfectly suited to capture the sound of acoustic instruments such as pianos, guitars, vibes, woodwinds, brass, percussion toys, drums, orchestra, and symphony sections.

Designed, machined, assembled, and tested by Audix in Wilsonville, Oregon.

MODEL VARIATIONS

- SCX25AMP - Matched pair
- SCX25APS - Piano miking system

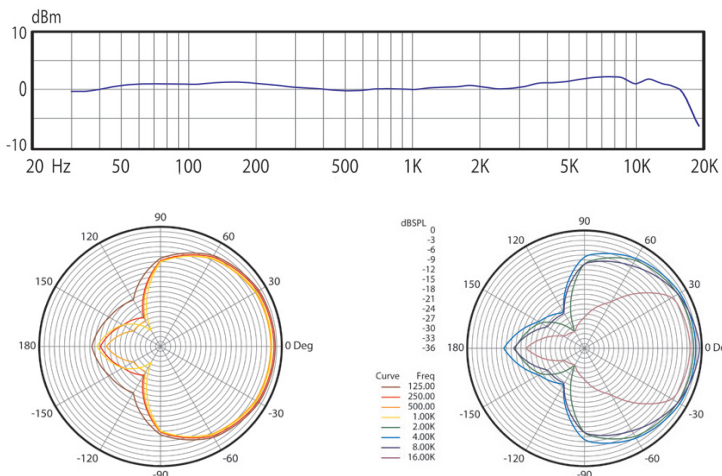
FEATURES

- Premium large diaphragm studio microphone for studio or live sound
- Delivers pure open air sound
- Shock mounted capsule suspension system

APPLICATIONS

- Piano
- Acoustic instruments
- Drum overheads
- Ambient room mic
- Studio, lead, and backing vocals
- Voice over
- Choir
- Orchestra

FREQUENCY AND POLAR RESPONSE



SPECIFICATIONS

Transducer	Condenser
Frequency Range	20 Hz - 20 kHz
Polar Pattern	Cardioid
Output Impedance	200 ohms
Sensitivity	28 mV / Pa @ 1 kHz
Signal to Noise Ratio	80 dB
Maximum SPL	>135 dB
Dynamic Range	121 dB
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector
Equivalent Noise Level	14 dB (A-weighted)
Operating Voltage	48 - 52 V Phantom
Connector	3-pin XLR m
Materials / Finish	Machined Brass / Black
Weight	244 g / 8.6 oz



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ARCHITECT AND ENGINEERING 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.

OPERATION AND MAINTENANCE

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, use 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 or studio monitors.

The SCX25A is manufactured to exacting specs with road worthy 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 case provided when not in use. Moisture of any kind can adversely affect the sound and performance of your microphone.

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 at www.audixusa.com.

SUPPLIED ACCESSORIES

- Protective zippered carrying case
- DCLIP microphone clip

OPTIONAL ACCESSORIES

- **APS2** - Two-channel 48 V phantom power supply. 110 V switchable to 240 V. Detachable power cord.
- **DFLEX** - Dual pivot rim mounted clip with extra wide butterfly jaws.
- **STANDKD** - Short pedestal stand with telescoping boom arm.
- **SMT25** - Low profile shock mount system with nylon cable and thumbscrew for positioning.
- **PD133** - Optional two-layer mesh pop diffuser for controlling acoustic plosives.
- **CBL20** - 20' premium XLR-XLR balanced mic cable. Quad conductor, twisted pair with braided shield for conductivity. 6 mm PVC jacketed.
- **P1** - Carrying pouch.

DIMENSIONS



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