

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 has 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 SCX25ALO is available with a max SPL limit 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, choir, orchestra and symphony sectionals.

The SCX25A is manufactured with a precision machined brass body, innovative capsule suspension system, steel mesh grill, black multi-layer class 'A' liquid finish and gold plated XLR connector.

MODEL VARIATIONS

SCX25ALO - Low output SCX25A

SCX25AMP - Matched pair

SCX25APS - Piano Miking system

SUPPLIED ACCESSORIES

Metal adapter to accommodate 3/8" mic stands

CASEWOOD - Foam lined wooden case

DCLIP - Heavy-duty nylon molded snap on clip

OPTIONAL ACCESSORIES

APS2 - Two-channel 48V phantom power supply. 110V switchable to 240V. 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.



FEATURES

- Premium large diaphragm studio microphone for studio or live sound
- Delivers pure open air sound
- Shock mounted capsule suspension system
- Designed, machined, assembled and tested in the USA
- 3 year warranty

APPLICATIONS

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



CASEWOOD

DCLIP

APS2

DFLEX

STANDKD

SMT25

PD133

CBL20

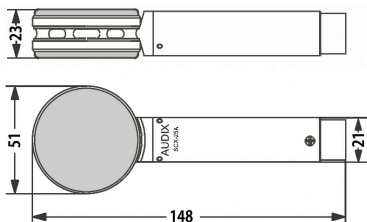
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SCX25A

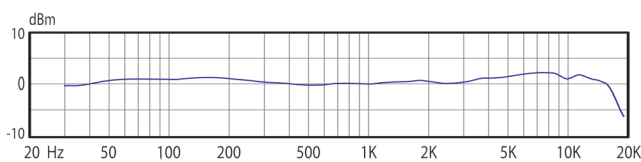
SPECIFICATIONS

| | |
|------------------------|---|
| Transducer Type | Condenser |
| Frequency Response | 20 Hz - 20 kHz |
| Polar Pattern | Cardioid |
| Output Impedance | 200 ohms |
| Sensitivity | 28 mV / Pa @ 1k |
| 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 V phantom |
| Connector | 3-pin XLRm |
| Polarity | Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector |
| Materials / Finish | Machined Brass / Black Finish |
| Weight | 244 g / 8.6 oz |
| Length | 148 mm / 5.8 in |

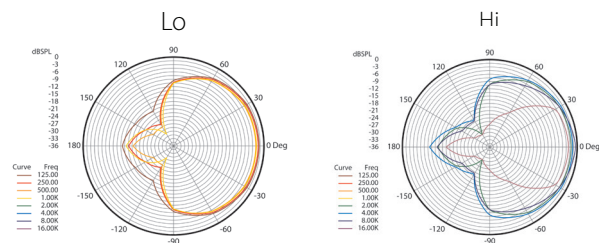
DIMENSIONS (mm)



FREQUENCY RESPONSE



POLAR PATTERNS



PRODUCT REGISTRATION: Please register your product online at www.audixusa.com/docs_12/about/product_registration.shtml.

SERVICE AND WARRANTY: This microphone is under warranty for a period of 3 years to be free of defects in material and workmanship. In the event of a product failure due to materials or workmanship, Audix will repair or replace said product at no charge with proof of purchase. Audix does not pay or reimburse shipping costs for warranty repairs or returns. The warranty excludes any causes other than manufacturing defects, such as normal wear, abuse, environmental damage, shipping damage or failure to use or maintain the product per the supplied instructions. No Implied Warranties: All implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose are hereby excluded. The liability of Audix, if any, for damages relating to allegedly defective products shall be limited to the actual price paid by Dealer for such products and shall in no event include incidental or consequential damages of any kind. Should your microphone fail in any way, please contact the Audix Service department at 503.682.6933. A Return Authorization is required before returning any product. OTHER THAN THIS WARRANTY, AUDIX MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS, THE USE OF THE PRODUCTS, THE PERFORMANCE OF THE PRODUCTS. AUDIX SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES ARISING FROM OR BASED ON THE SALE, USE, STORAGE OR DISPOSAL OF THE PRODUCTS, AUDIX'S SERVICE WORK, BREACH OF WARRANTY, BREACH OF CONTRACT. NEGLIGENCE, OR ANY OTHER THEORY OF LIABILITY, EVEN IF AUDIX HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

ARCHITECT AND ENGINEER 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 high SPL, use SCX25ALO.

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.