

VX5 Condenser Vocal Microphone

OVERVIEW

The VX5 is a professional vocal condenser microphone designed for a wide variety of live, studio and broadcast applications. With an ability to duplicate studio quality sound on stage, the VX5 is known for its smooth and accurate frequency response, resistance to feedback and ability to handle very high sound pressure levels without distortion.

The VX5 is characterized with a tight and uniformly controlled supercardioid polar pattern which helps to isolate the vocals from the rest of the instruments on stage. With a wide frequency range of 40 Hz - 16.5 kHz, the VX5 has a very clean and natural sound with exceptional transient response. This mic requires 9 - 52 volts phantom power.

Other features include a 14 mm gold vapor diaphragm, an acoustically ported steel mesh grill with multi-stage pop filter and a -10 dB pad and bass roll-off filter. The VX5 will handle sound pressure levels in excess of 140 dB (with pad and roll-off engaged) and will provide over 20 dB of ambient noise rejection on live stages.

In addition to vocal applications, the VX5 is ideally suited to capture acoustic instruments such as guitar, woodwinds, brass, percussion toys, drum overheads, hi-hat and piano. It is a very versatile mic for home studio recording. The VX5 is well balanced, comfortable to hold, durable, and designed with very high standards and tight tolerances.

The VX5 is manufactured with a precision die cast zinc alloy body, durable black E-coat finish and gold plated XLR connector.

SUPPLIED ACCESSORIES

MC1 - Heavy-duty nylon molded clip with brass insert

P1 - Carrying pouch

OPTIONAL ACCESSORIES

WS357 - Optional high quality external foam windscreen for reducing wind, sibilance, and pop noise.

SMT25 - Optional low profile shock mount system with nylon cable and thumbscrew for positioning.

APS2 - Two-channel 48 V phantom power supply for condenser microphones. 110 V switchable to 240 V. Detachable power cord.

CBL20 - 20' premium XLR-XLR balanced mic cable. Quad conductor, twisted pair with braided shield for maximum conductivity. 6mm PVC jacketed.

CBLDR25 - 25' premium right angle XLR-XLR balanced mic cable. Quad conductor, twisted pair with braided shield for maximum conductivity. 6mm PVC jacketed.



FEATURES

- Premium electret condenser for vocals and acoustic instruments
- Smooth accurate frequency response
- Switches for -10 dB pad and bass roll-off
- Suited for acoustic music as well as loud stages
- Designed, assembled & tested in the USA
- 3 year warranty

APPLICATIONS

- Stage or studio
- Lead or background vocals
- Speech
- Acoustic instrumentals



MC1



P1



WS357



SMT25



APS2



CBL20



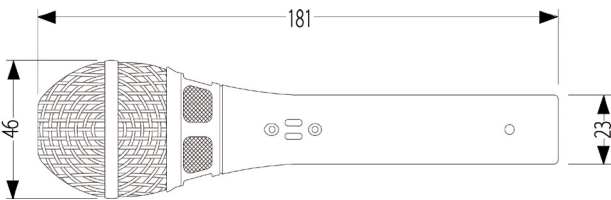
CBLDR25

VX5

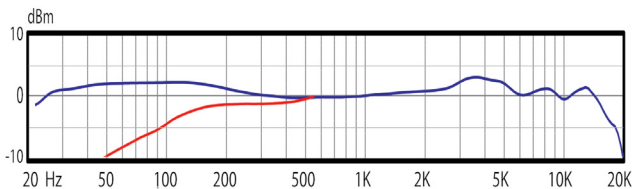
SPECIFICATIONS

Transducer Type	Pre-Polarized Condenser
Frequency Response	40 Hz - 16.5 kHz
Polar Pattern	Supercardioid
Output Impedance	150 ohms
Sensitivity	5 mV / Pa @ 1k
Equivalent Noise Level	26 dB (A-weighted)
Signal to Noise Ratio	68 dB
Off Axis Rejection	>20 dB
Maximum SPL	≥140 dB (w/ -10 pad)
Power Requirements	9-52 V
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	Zinc Alloy & Machined Brass / Black Finish
Weight	277 g / 8 oz
Length	181 mm / 7.1 in

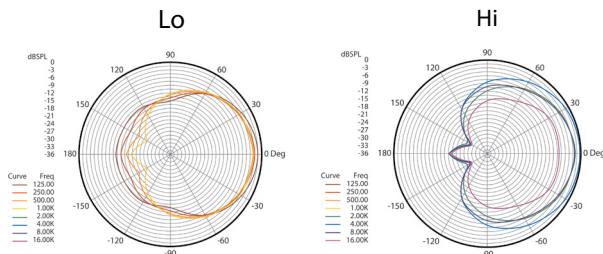
DIMENSIONS (mm)



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 SERVICEWORK, 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 a back plate pre-polarized condenser with a supercardioid polar pattern. The microphone shall operate on 9-52 Volts phantom power and the nominal output impedance shall be equal to 150 ohms at 1 kHz. The microphone shall have switches for -10 dB pad and bass roll-off filter and shall have a sensitivity of 5 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥140 dB (with pad) with a THD of 0.5%. The microphone shall have a steel mesh grill and a body of die cast zinc alloy with dimensions of 23 mm in diameter at the base and 181 mm in length.

OPERATION AND MAINTENANCE

The VX5 is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer or recording device. The VX5 requires phantom power and will NOT operate without phantom power voltage which is available on most professional mic preamps and mixing devices. Phantom power will be needed on your equipment (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 is turned down. Failure to do so may result in a loud "popping" noise which could seriously damage the speakers in the PA system.

The VX5 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 effect the sound and performance of your microphone.

USER TIPS

The VX5, an excellent choice for lead and background vocals, has a supercardioid pick-up pattern which helps to minimize sound from other instruments on stage from "bleeding" into the microphone. The VX5 is highly sensitive and will accommodate working distances of 1-12 inches from the performers mouth. Depending on the instrumentation and volume on stage, the vocalist may have to experiment to find the optimum working range.

When using stage monitors, avoid pointing the back of the microphone directly into the stage monitor. Instead, set the microphone at an angle parallel to the floor, putting the angle of the mic on a different plane with the angle of the monitor. Allow a distance of 2-3 feet between microphones to avoid phase cancellation issues.

Further miking techniques may be found at www.audixusa.com.