

# OM3 Dynamic Vocal Microphone

## OVERVIEW

Designed, assembled and tested by Audix in the USA, the OM3 is a dynamic vocal microphone used for a wide variety of live, studio, and broadcast applications. The OM3 provides clear and accurate sound reproduction, resistance to feedback and the ability to handle very high SPL (Sound Pressure Levels) without distortion.

The OM3 is designed with a tight and uniformly controlled hypercardioid polar pattern which helps to isolate the vocals from the rest of the instruments on stage. With a wide frequency range of 50 Hz - 18 kHz, the OM3 employs a VLM™ (Very Low Mass) diaphragm for natural sound with exceptional transient response.

The OM3 is naturally attenuated in the lower mid-bass frequencies in order to reduce boominess and handling noise. This, in conjunction with an extremely articulate mid-range, makes the OM3 an excellent choice for PA systems of all sizes. The OM3 is well balanced, comfortable to hold, durable, and designed with high standards and tight tolerances.

The OM3 is manufactured with a precision die cast zinc alloy body, durable black E-coat finish, dent resistant steel mesh grill and gold plated XLR connector.

## MODEL VARIATIONS

OM3S - Same as OM3 with On-Off switch

## 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.

**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.

**T50K** - Professional impedance matching transformer that allows a low impedance mic to be connected to a high impedance input.

**TRIPOD** - Metal tripod desktop stand for use with any 5/8" threaded mic clip.



## FEATURES

- Multi-purpose vocal and instrument mic for live sound, home studio
- Clear, natural, accurate sound for mid-size to large PA systems
- Excellent off-axis rejection on stage for increased feedback rejection. Isolates the vocal from other instruments on stage
- Handles high SPLs without distortion
- VLM Capsule
- Designed, assembled & tested in the USA
- 5 year warranty

## APPLICATIONS

- Lead or backing vocals
- Live recording
- Broadcast
- Home studio - vocal and instrument
- Sax, brass, guitar, dobro, flute, percussion, drums



MC1



P1



WS357



CBL20



CBLDR25



T50K



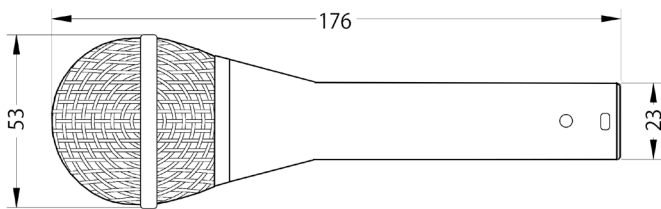
TRIPOD

# OM3

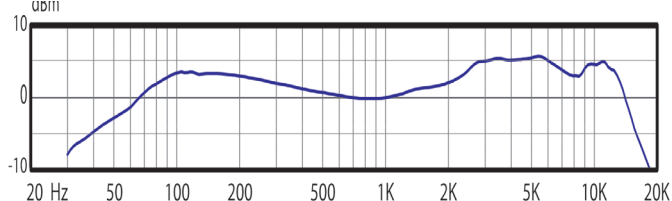
## SPECIFICATIONS

Transducer Type	Dynamic
Frequency Response	50 Hz - 18 kHz
Polar Pattern	Hypercardioid
Output Impedance	290 ohms
Sensitivity	1.6 mV / Pa @ 1k
Capsule Technology	VLM Type B
Off-Axis Rejection	>25 dB
Maximum SPL	≥144 dB
Power Requirements	None
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 / Black Finish
Weight	307 g / 10.8 oz
Length	176 mm / 6.9 in

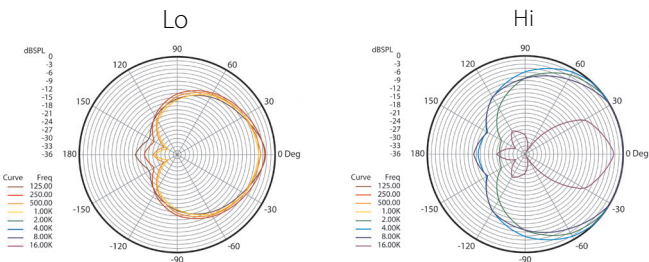
## DIMENSIONS (mm)



## FREQUENCY RESPONSE



## POLAR PATTERNS



**PRODUCT REGISTRATION:** Please register your product online at [www.audixusa.com/docs\\_12/about/product\\_registration.shtml](http://www.audixusa.com/docs_12/about/product_registration.shtml).

**SERVICE AND WARRANTY:** This microphone is under warranty for a period of 5 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 dynamic type and the polar pattern of the microphone shall be hypercardioid. The nominal output impedance shall be equal to 290 ohms at 1 kHz. The microphone shall have a sensitivity of 1.6 mV / Pa at 1 kHz and a sound pressure level  $\geq 144$  dB. The microphone body shall be of zinc alloy and the grill cap shall be steel wire mesh. The overall dimensions shall be 23 mm in diameter at the base, 53 mm in diameter at the widest point on the grill and 176 mm in length.

## OPERATION AND MAINTENANCE

The OM3 is a low impedance microphone and should be plugged into the "mic level" input of your console, mixer or recording device. Please note that your microphone does not require phantom power and will not be affected in any way by phantom power should it be running simultaneously while the microphone is in operation. Avoid plugging or unplugging the microphone from the 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.

The OM3 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 OM3 has a very tight pick-up pattern in order to help eliminate sound from other instruments on stage from "bleeding" into the microphone. For best results, it is important to sing directly into the mic at close proximity (within 2 inches).

When using floor monitors, position the microphone so that it is parallel to the floor.

Further miking techniques may be found at [www.audixusa.com](http://www.audixusa.com).