

# 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 is known for its clear and accurate sound reproduction, resistance to feedback and ability to handle very high sound pressure levels without distortion.

The OM3 is characterized 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 a clean and 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 manufactured with high standards and tight tolerances.

Roadworthy construction includes a precision die cast zinc alloy body, black e-coat finish, laser etched model and serial number, steel mesh grill, Switchcraft® XLR connector and heavy duty nylon clip.

## SUPPLIED ACCESSORIES:

Heavy duty nylon mic clip (MC1)  
Carrying pouch (P1)

## OPTIONAL ACCESSORIES:

WS357 - External foam windscreen  
CBL-20 - 20' XLR-XLR low noise microphone cable  
T50K - Low to high impedance matching transformer

## MODEL VARIATIONS:

OM3-S - Same as above with On-Off switch



## FEATURES:

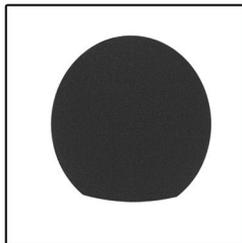
- Clear, accurate vocal reproduction
- Handles high SPL without distortion
- Low handling noise
- Provides exceptional gain before feedback
- Provides excellent vocal isolation on stage
- Dent resistant steel spring grill
- 5 year warranty

## APPLICATIONS:

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



MC1



WS357



CBL-20



T50K

**SPECIFICATIONS:**

Transducer Type	Dynamic
Frequency Response	50 Hz - 18 kHz
Polar Pattern	Hypercardioid
Output Impedance	250 ohms
Sensitivity	1.7 mV / Pa @ 1k
Capsule Technology	VLM Type B
Off Axis Rejection	> 25 dB
Maximum SPL	≥144 dB
Power Requirements	None
Connector	Switchcraft® male XLR connector
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector
Housing / Finish	Zinc Alloy / Black E-coat
Weight	307 g / 10.8 ounces
Length	176 mm / 6.9 inches

**ARCHITECTS AND ENGINEERS 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 250 ohms at 1 kHz. The microphone shall have a sensitivity of 2.5 mV / Pa at 1 kHz and a sound pressure level ≥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. The microphone shall be the Audix OM3.

**OPERATION:**

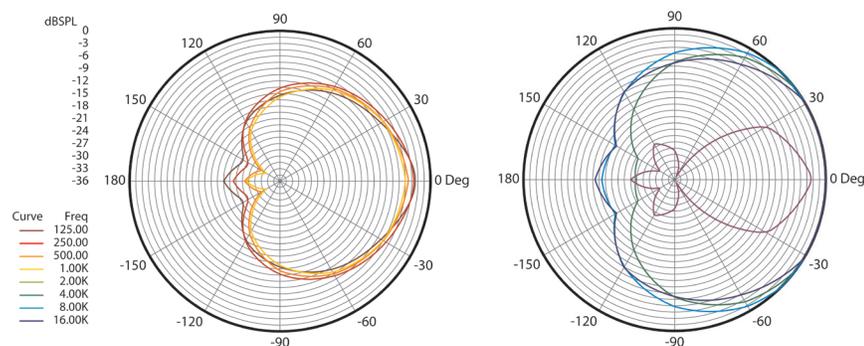
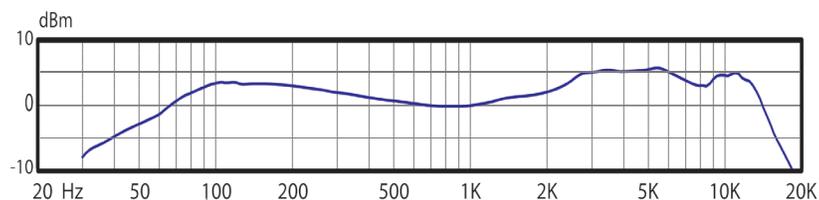
The OM3 is a low impedance microphone and should be plugged into the “mic level” input of your console, mixer, or recording device. Please note that your microphone does not require phantom power and will not be effected in any way by phantom power should it be running simultaneously while the microphone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

**USER TIPS:**

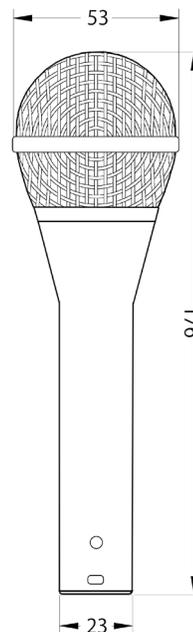
The OM3 has a very tight pick-up pattern in order to help eliminate sound from other instruments on stage from “bleeding” into the microphone. For best results, it is important to sing directly into the mic at close proximity (within 2 inches). When using floor monitors, position the microphone so that it is parallel to the floor. When using multiple microphones on a live performance stage, allow a distance of 2-3 feet between mics to avoid phase issues.

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

**FREQUENCY / POLARS:**



**DIMENSIONS (mm):**



\*\*\*All specifications subject to change without notice.

**SERVICE AND WARRANTY:**

This microphone is under warranty for a period of 5 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 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 affect the sound and performance of your microphone.

To register your  
microphone, please visit  
[www.audixusa.com](http://www.audixusa.com)



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