

OM2 DYNAMIC VOCAL MICROPHONE

OVERVIEW:

Designed, assembled and tested by Audix in the USA, the OM2 is a dynamic vocal microphone used for a wide variety of live and studio applications. The OM2 provides clear and accurate sound reproduction, resistance to feedback and ability to handle very high SPL (Sound Pressure Levels) without distortion.

The OM2 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 - 16 kHz, the OM2 employs a VLM™ (Very Low Mass) diaphragm for natural sound with exceptional transient response.

The OM2 is constructed with a slight bass proximity and a tailored mid-range, giving it a full bodied sound on small to mid-size PA systems. The OM2 is well balanced, comfortable to hold, durable, and designed with high standards and tight tolerances.

The OM2 is manufactured with a precision die cast zinc alloy body, black E-coat finish, laser etched model and serial number, steel mesh grill, Switchcraft® or Audix XLR connector and heavy duty nylon clip.

SUPPLIED ACCESSORIES:

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

OPTIONAL ACCESSORIES:

WS357 - External foam windscreen
CBL20 - 20' XLR-XLR Low noise mic cable
T50K - Low to high impedance matching transformer

MODEL VARIATIONS:

OM2-S - Same as above with On-Off switch



FEATURES:

- Clear, accurate sound 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

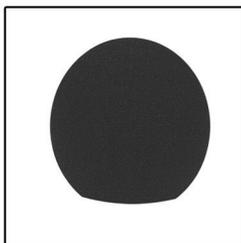
APPLICATIONS:

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

Dynamic Vocal



MC1



WS357



CBL20



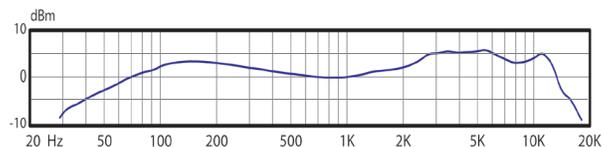
T50K

OM2

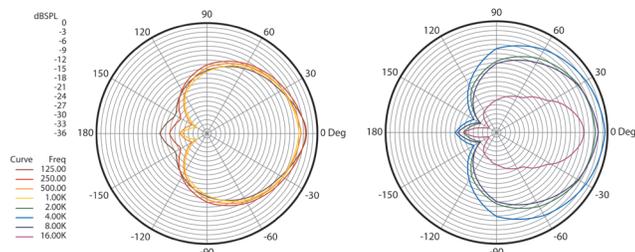
SPECIFICATIONS:

Transducer Type	Dynamic
Frequency Response	50 Hz - 16 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	≥140 dB
Power Requirements	None
Connector	Switchcraft® or Audix 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

FREQUENCY RESPONSE:



POLAR PATTERN:



***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 OM2 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.

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 1.7 mV / Pa at 1 kHz and a sound pressure level ≥140 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 OM2.

OPERATION:

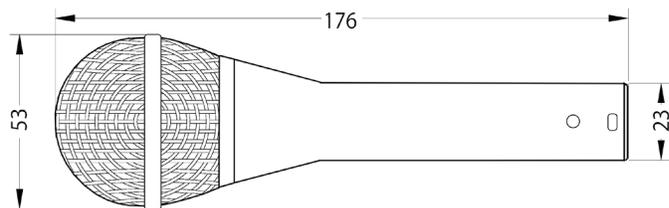
The OM2 is a low impedance microphone and should be plugged into the "mic level" input of your console, mixer or recording device. Please note that your microphone does not require phantom power and will not be effected in any way by phantom power should it be running simultaneously while the microphone 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 OM2 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

DIMENSIONS (mm):



Audix Corporation 9400 SW Barber St. Wilsonville, OR 97070

www.audixusa.com
503-682-6933 Fax: 503-682-7114



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AUDIX WARRANTY REGISTRATION FORM

Name: _____ Model: _____
 Company: _____ Serial Number: _____
 Address: _____ Store: _____
 City: _____ Store Location: _____
 Prov./State: _____ Zip: _____ Purchase Date: _____
 Phone: () _____ Signature: _____
 Email: _____ Date: _____

Please register your product online at www.audixusa.com or mail this form to:
 Audix Microphones P.O. Box 4010 Wilsonville, OR 97070

Please Check all that apply:

Male Female

Age: 18 or Under 19-25 26-35 36-45 46-55 55 +

Occupation: Musician Producer Sound Eng. Radio/TV Production Other _____

Primary Instruments: Vocal Guitar / Bass Drums Keyboard Brass Woodwinds Strings Other _____

Product to be used for: Pro live sound Pro recording Home recording Rehearsal Installation School House of Worship Other _____

How did you hear about Audix? Magazine Ad On-line Store Salesman Online Ad Friend Other _____

Do you own other Audix Products? Yes No
 Model(s) _____

Have you visited the Audix website? Yes No