

# OM1 DYNAMIC VOCAL MICROPHONE

## overview

The OM-1, a hand-made microphone first introduced in 1985, quickly established itself with live sound engineers as one of the best mics for rock and roll. It was discontinued, unfortunately, because of the prohibitive costs associated with producing it. Now, 16 years later, we are proud to re-issue it with the original cutting edge sound and stylish two-stage, machined brass body. With an updated composite capsule housing and mounting system, the OM-1 has very high output with extremely low handling noise.

The OM-1 is characterized with an elevated mid range for sharp, crisp vocals along with a slight bass proximity to enrich the over-all sound. The mic also handles very high SPL levels without distortion, has superior off-axis rejection and supplies maximum gain before feedback. A spring steel grill and all brass construction provide rock solid durability.

The new OM-1 successfully maintains the integrity of the original capsule, while taking advantage of some of the advancements of today's materials and automated production processes. Balanced, low impedance output allow for interference-free performance even with long cable runs.

## specifications

Transducer Type	Dynamic
Frequency Response	50 Hz- 18kHz
Polar Pattern	Hypercardioid
Output Impedance	200 ohms
Sensitivity	2.3 mV/ Pascal
Capsule Technology	VLM Type C
Off axis rejection	>30dB
Maximum SPL	>140dB
Cable/Connector	3 pin gold plated male XLR
Polarity	Positive voltage on pin 2 relative to pin 3 of output XLR connector
Housing	Machined brass
Weight	13oz/370 grams

## OM1 DYNAMIC MIC



Vocals



Background Vocals



Percussion



Electric Guitar Cabs

## applications

- ▶ **Live Stage, live recording**  
*Excellent for lead and backing vocals - all venues*
- ▶ **Utility instruments**  
*Guitar, percussion*
- ▶ **Home Studio**  
*Multi-use vocal and instrument applications*

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# OM1

# DYNAMIC VOCAL MICROPHONE

**Operation and Maintenance:** Although the OM-1 is a durable, handheld dynamic microphone with a dent-resistant spring steel grill, it should still be handled with care. Avoid extreme temperatures wherever possible. **WARNING:** Avoid excessive moisture as it can adversely affect the sound and performance of your microphone.

**Phantom power:** The OM-1 is a dynamic microphone and **does not** require phantom power; be assured that Phantom power will not adversely affect the performance of the OM-1 in any way.

**Recording:** The OM-1 is a very tight hypercardioid dynamic with exceptional output and clarity and therefore can be very useful in both live and studio recording. To attain the feel of a live vocal, the OM-1 will provide a true, accurate sound and isolate the vocal(s) from other surrounding instruments. Because of its tight polar pattern, it is important to place the microphone directly on axis and as close as possible to the sound source. Since the OM-1 is able to handle very high sound pressure levels, it can be successfully utilized to mic a wide variety of instruments, both acoustic and electric.

**Live Sound:** Considered one of the best dynamic microphones for live rock sound, The OM-1 is a perfect choice for vocals requiring definition and punch. Able to provide excellent feedback rejection and separation of sound, The OM-1 is very stable on a stage with multiple instruments and open mics.

**Lead vocals:** Characterized with very high output and excellent gain before feedback, the OM-1 can be helpful with singers who sing softly and need more presence in the mix. Those singers who like the feel of a heavy, well-balanced microphone, will appreciate the all brass construction of the OM-1. The mic has a very tight hypercardioid pattern and therefore responds best when the vocalist is within one or two inches of the grill. The capsule is slightly attenuated at 200 Hz in order to avoid bass overload and boominess.

The mic can be positioned in between two monitors angled at 45 degree angles or a single monitor positioned in front of the mic.

**Background vocals:** For optimum results, the mics should be placed at least 2 feet apart to insure phase coherency. Monitors can be placed directly in front of the vocals if desired, or off center.

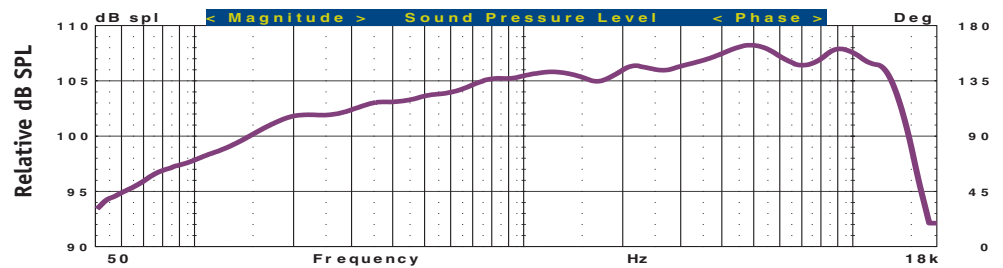
## Supplied Accessories

- ▶ Mic clip (MC1) adjustable through 180 degrees with standard 5/8 inch 27 thread. Note: Metal stand adapter also supplied to accommodate European standard threads.
- ▶ Zippered microphone carrying pouch.

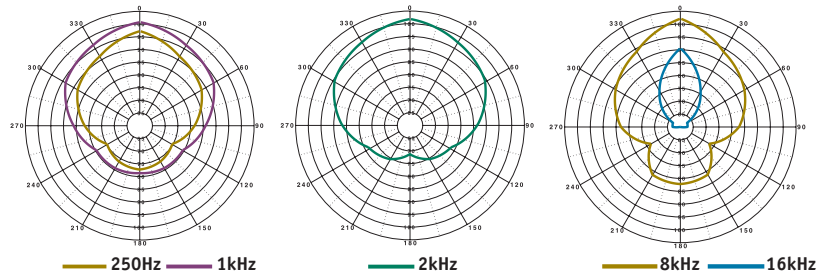
## Optional Accessories

- ▶ Foam windscreen to control moisture, wind, and breath noise. (Model WS357)

## Typical Frequency Response

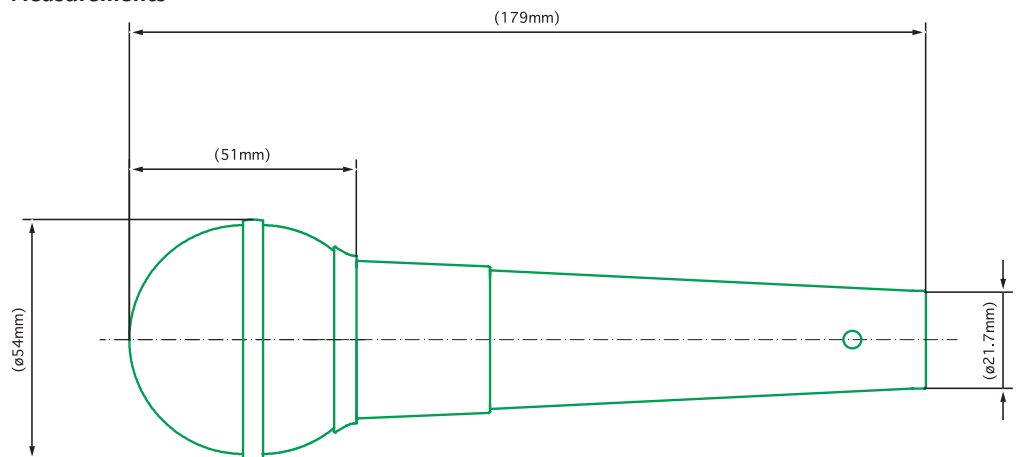


## Polar Charts



The frequency response curve shown above (measuring tolerance at  $\pm 3\text{dB}$ ) and polar pattern correspond to typical production run specifications for this microphone.

## Measurements



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