

Music recordings
Conferencing and lectures
Home video production
Broadcasting

- Hemispherical polar pattern
- Clear, bright sound quality with excellent bass
- Works on internal AAA battery or phantom power
- Low-impedance XLR-type output
- Boundary “paddle” can be detached



PZM-185

The PZM®-185 Pressure Zone Microphone® is a budget microphone designed for general-purpose use. Ideal for applications such as conferences, group discussions, interviews, broadcast, home video production, lectures, and recordings. The mic can be placed on a large surface such as a table, floor, wall, or lectern.

The PZM®-185 is powered either by an internal AAA 1.5 V battery or 12-48 V phantom power. The boundary “paddle” can be detached so the mic will fit in your pocket. Attached to the mic is an 2.4 m (8 ft.) cable leading to a tubular power module.

The microphone’s low-profile design reduces “mic fright” and minimizes clutter. It is nearly invisible on camera. The PZM®-185 minimizes pickup of vibration and handling noise.

Its electret condenser capsule provides a wide, smooth frequency response from 50 Hz to 16 kHz. The mic’s hemispherical polar pattern allows clear pickup of everyone surrounding the microphone.

The PZM®-185 is protected against static and RFI. The output is balanced, low impedance, which allows long cable runs without hum pickup or high-frequency loss.

Like other Pressure Zone Microphones®, the PZM®-185 uses a miniature mic capsule mounted very near a sound-reflecting plate or boundary in the Pressure Zone. In this zone, direct sound from the sound source combines in phase at all frequencies with reflected sound off the boundary. The benefits are many : 6 dB more sensitivity, 6 dB less noise, a wide smooth frequency response free of phase interference, excellent clarity and “reach” and consistent pickup anywhere around the microphone.

AKG SOUNDS BETTER



Operating Instructions

You can power the PZM® -185 either by 12-48 V phantom power or battery power. To use phantom power, plug the mic connector into a phantom power supply or into a mic input that provides 12-48 V phantom power.

To use battery power, open the cover and insert a AAA 1.5 V battery. Please note the correct orientation of the battery. If you're using the microphone on a hard surface, such as a table top, the boundary "paddle" is not necessary. If you're using the mic on a carpet or other sound-absorbing surface, attach the boundary "paddle" for best results.

Suggestions for Use

Place the microphone near the sound source as described following:

Conferences, group discussions, seated interviews: Lay the microphone on the table. Use one microphone in the middle of every 4 to 6 people. Ideally, no person should be more than 0.9 m (3 ft.) from the nearest microphone. For maximum clarity, hold the conference in an acoustically "dead" room with carpeting, acoustic-tile ceiling, and drapes. **Lectures:** Place the microphone on top of the lectern, near the edge of the lectern farthest from the person speaking.

Video or movies: Lay the microphone on a table or on the floor near the action.

Music: Place the microphone near the sound source, on the floor, on a wall, or on a large hard-surfaced panel. For grand piano, tape the microphone to the center of the underside of the raised lid. For spaced-pair stereo recording, place two microphones 0,9 to 3 m (3 to 10 ft.) apart on a wall or on the floor about 1,5 to 6 m (5 to 20 ft.) from the musical ensemble. For near-coincident stereo recording, mount them on a microphone stand using a stereo bar or stereo microphone adapter.

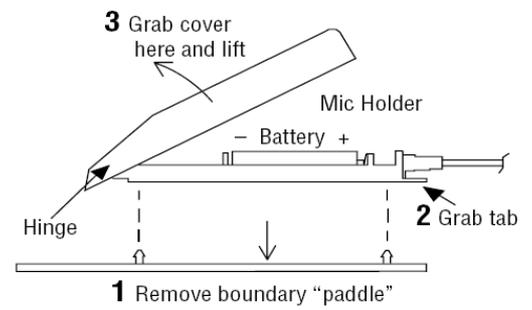
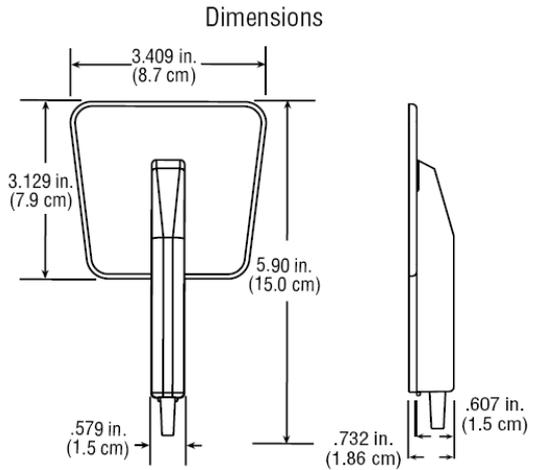
Architects' and Engineers' Specifications

The microphone shall be a PZM® -185.

The PZM® -185 Pressure Zone Microphone shall be powered by 12 to 48 V phantom power or a AAA 1,5 V battery. The microphone shall have a permanently attached cable leading to a power module with an XLR-type connector.

An integral boundary paddle shall be removable. Frequency response shall be uniform from 50 Hz to 16,000 Hz. Open-circuit sensitivity shall be 3,2 mV/Pa with phantom power. Maximum SPL for 3% THD shall be 120 dB with 48 V phantom power. Self-noise shall be 21 dB SPL A-weighted. Impedance shall be 150 ohms balanced.

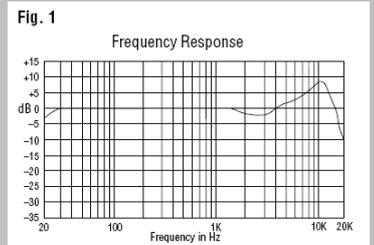
The PZM® -185 is specified.



Specifications:

Polar pattern:	hemispherical
Frequency response:	50 to 16 kHz
Impedance:	150 ohms
Equivalent noise level:	21 dB-A
Maximum SPL:	120 dB
Finish:	satin black
Cable:	2,4 m (8 ft.)
Net weight:	115 g (4 oz.)

Item number: PZM-185 6000H50030



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