



MICROPHONES • HEADPHONES

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100 EAST 42nd STREET, NEW YORK, NEW YORK 10017

# NOISE CANCELLING Dynamic Microphone



## D-507



### DESCRIPTION

AKG D-507 anti-noise, hyper-cardioid dynamic microphone is ideal for use in high ambient noise level environments both indoors and outdoors.

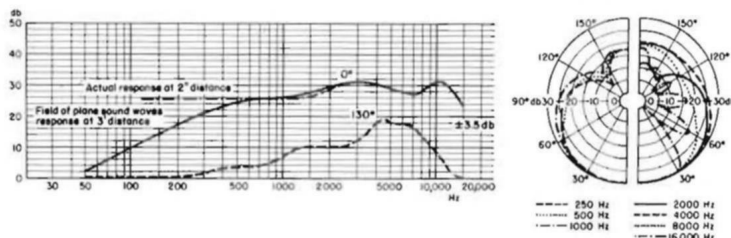
D-507 frequency response is specially shaped for maximum speech intelligibility. The differential acoustic pressure design suppresses background sounds and effectively cancels feedback from speakers in the same area as the microphone.

In outdoor applications, the built-in windscreen attenuates wind noises and protects the microphone system from iron particles and dust. The non-metallic MAKROFOL diaphragm is virtually impervious to moisture from condensation in high humidity locations.

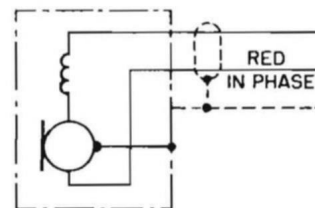
AKG D-507 is supplied complete with a noise-free, permanently attached 13½" flexible gooseneck and concealed two-conductor shielded cable. A built-in 5/8"-27 female thread fitting permits mounting D-507 to lecterns and flat surfaces.

### TECHNICAL DATA

Frequency response	50-15,000 Hz
Sensitivity	-53 db (re 1 mW/10 dynes/cm <sup>2</sup> )
Impedance	200 ohms
Directional characteristics	Hyper-cardioid differential
Dimensions	17-2/5" long including gooseneck, 2-3/16" diameter at largest point
Net Weight	15.5 oz.



### CONNECTION DIAGRAM



### ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a dynamic noise-cancelling, close-talking type, suppressing ambient noise by means of the differential acoustic pressure principle. The frequency range, measured 2" from the source of sound, shall be 50-15,000 Hz. The frequency response shall rise approximately 12 db between 100 Hz and 500 Hz, and shall rise an additional 6 db at 3,000 Hz to provide optimum speech transition.

The output level shall be -53 db (re 1mW/10 dynes/cm<sup>2</sup>) at 200 ohms impedance and the microphone shall be capable of handling a maximum sound pressure level of 500 μbar (128 db SPL) with distortion not exceeding 0.5%.

A built-in, fully effective windscreen shall protect the diaphragm from wind noises, and protect the microphone system from iron

particles and dust.

The finish of the microphone shall be matte black and shall not reflect light. The microphone shall be equipped with a permanently attached flexible gooseneck 13½" long. The gooseneck shall not introduce electrical noise into the system during adjustment, and shall be provided with a built-in 5/8"-27 stand adapter. A 2-conductor shielded cable shall be permanently attached to the microphone and included within the gooseneck.

The microphone with gooseneck shall be 17-2/5" long by 2-3/16" diameter at the largest point, and the weight shall not exceed 15.5 ounces.

The microphone specified shall be the AKG D-507.

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