



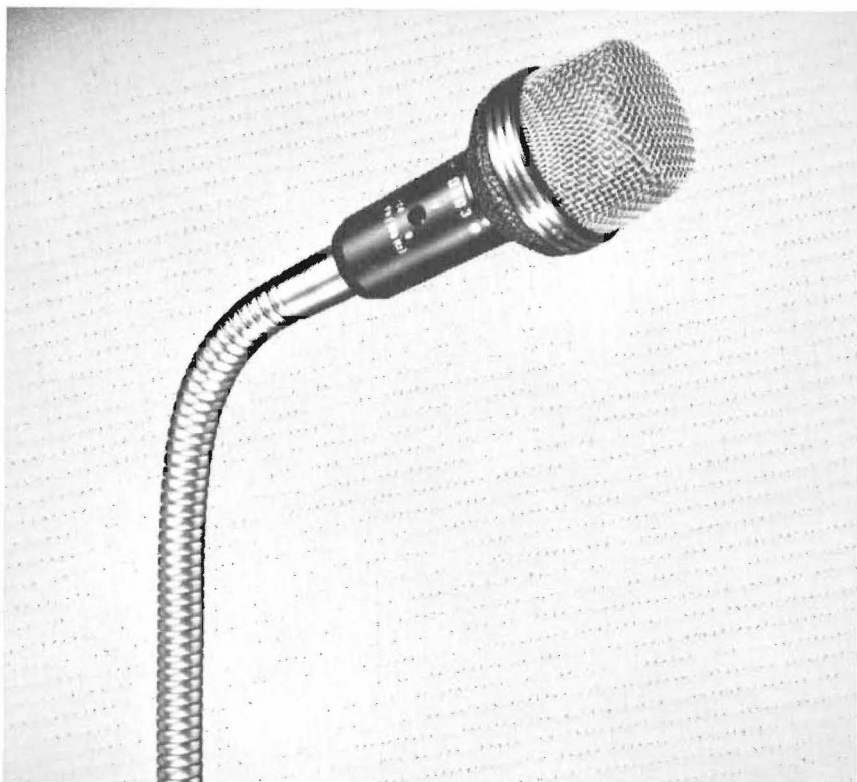
MICROPHONES • HEADPHONES

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NORTH AMERICAN PHILIPS COMPANY, INC.
100 EAST 42nd STREET, NEW YORK, NEW YORK 10017

CARDIOID Dynamic Microphone



D-503



DESCRIPTION

AKG D-503 cardioid dynamic microphone, with permanently attached gooseneck, has been specially designed to reproduce clear, intelligible speech without harshness and popping in sound reinforcement systems.

The 13½" flexible gooseneck with built-in 5/8"-27 thread fitting facilitates mounting the D-503 to speaker lecterns and any vertical or horizontal surface.

Excellent cardioid characteristics prevent feedback by providing effective cancellation in areas with unfavorable acoustics.

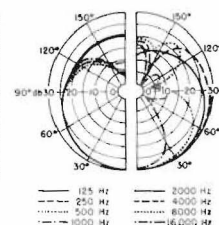
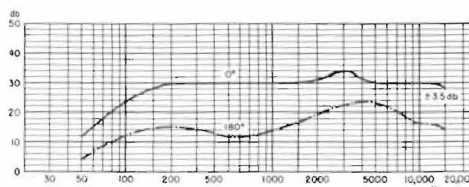
A variable bass attenuator, continuously adjustable from 0 to -14 db at 100 Hz, improves speech intelligibility and reduces low frequency resonance in close-talking applications.

The built-in, fully effective windscreen which also protects the microphone system from iron particles and dust makes D-503 particularly useful for outdoor public address system use. The MAKROFOL diaphragm is virtually impervious to moisture.

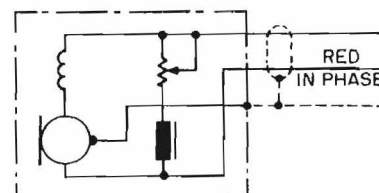
AKG D-503 is supplied complete with noise-free gooseneck and concealed, two-conductor shielded cable.

TECHNICAL DATA

Frequency response	50-15,000 Hz ± 3.5 db
Sensitivity	-52 db (re 1 mW/10 dynes/cm ²)
Impedance	200 ohms
Directional characteristics	Cardioid
Bass attenuation switch	0 - 14 db, continuously variable
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 pressure gradient receiver type with a frequency range of 50 to 15,000 Hz and the frequency response shall be ± 3.5 db. The front-to-back discrimination shall exceed 15 db at 1,000 Hz at a sound incidence angle of 180°, and an effective cardioid characteristic shall be maintained over the entire frequency range.

The output level shall be -52 db (re 1 mW/10 dynes/cm²) at 200 ohms impedance and the microphone shall be capable of handling a maximum sound pressure level of 500 μbar (128 db SPL) with a 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 diaphragm material shall be non-metallic MAKROFOL.

The microphone shall incorporate a 0 to -14 db at 100 Hz continuously variable bass attenuator, adjustable by means of a screw-driver to prevent unauthorized handling.

The finish of the microphone shall be matte black and shall not reflect light. The microphone shall be permanently equipped with a 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 in 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-503.