



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

SHOCK MOUNTED LAVALIER Dynamic Microphone



D-110



DESCRIPTION

New AKG D-110 lavalier microphone is shock mounted to eliminate handling, clothing and cable rubbing noises for quiet operation.

The microphone element is isolated within the D-110 double housing by a flexible suspension which prevents mechanical shocks from reaching the transducer.

D-110 response characteristics are specially contoured to compensate for lavalier use, since a standard microphone in the chest position exaggerates low frequencies and muffles high frequencies.

The low frequency roll off from 300 Hz down to -12 dB at 50 Hz reduces tonal coloration caused by chest resonance, and the rising response to an optimum of 8 dB at 8000 Hz provides the added high frequency boost required for a lavalier microphone to correctly reproduce speech.

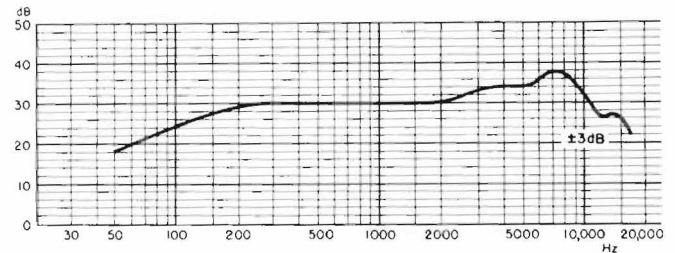
Shock mounted, miniaturized and styled for inconspicuous hand free use, D-110 is a wearable microphone for broadcast, motion picture, and sound reinforcement applications by performers and lecturers needing freedom of movement.

D-110 is also ideal for unobtrusive concealed placement, suspension from conference room ceilings, extended hand use without discomfort and similar applications requiring a small (3-1/8" x 23/32") and light weight (3 oz.) microphone.

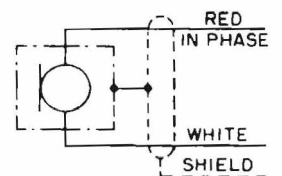
AKG D-110 is complete with adjustable nylon neck cord, removable lavalier support clip and 30' of 1/8" diameter, field replaceable cable.

TECHNICAL DATA

Frequency range	50-15,000 Hz
Directional Characteristics	Omni-directional
Sensitivity	-56 dB (re 1 mW/10 dynes/cm ²)
Impedance	200 ohms
Dimensions	3-3/16" long x 23/32" diameter
Weight	2.75 ounces without cable



CONNECTION DIAGRAM



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a double housing, internally shock mounted lavalier type with a frequency response of 50-15,000 Hz. The frequency response shall be attenuated from 300 Hz down to -12 dB at 50 Hz and include a rise in high frequency response to an optimum of 8 dB at 8000 Hz to compensate for the special conditions under which lavalier microphones are used and insure proper speech reproduction.

The output level shall be -56 dB (re 1 mW/10 dynes/cm²) at an impedance of 200 ohms (± 15%). The diaphragm shall be of non-

metallic MAKROFOL and the system shall be protected against iron particles and dust.

The color of the microphone shall be non-reflecting, matte light gray. The microphone shall incorporate a 30 foot long, 2 conductor plus shield, flexible gray cable not exceeding 1/8" diameter. The cable shall be field replaceable.

Dimensions of the microphone shall not exceed 3-1/8" long by 23/32" diameter and the weight shall not exceed 3 ounces.

The microphone specified shall be the AKG D-110.