



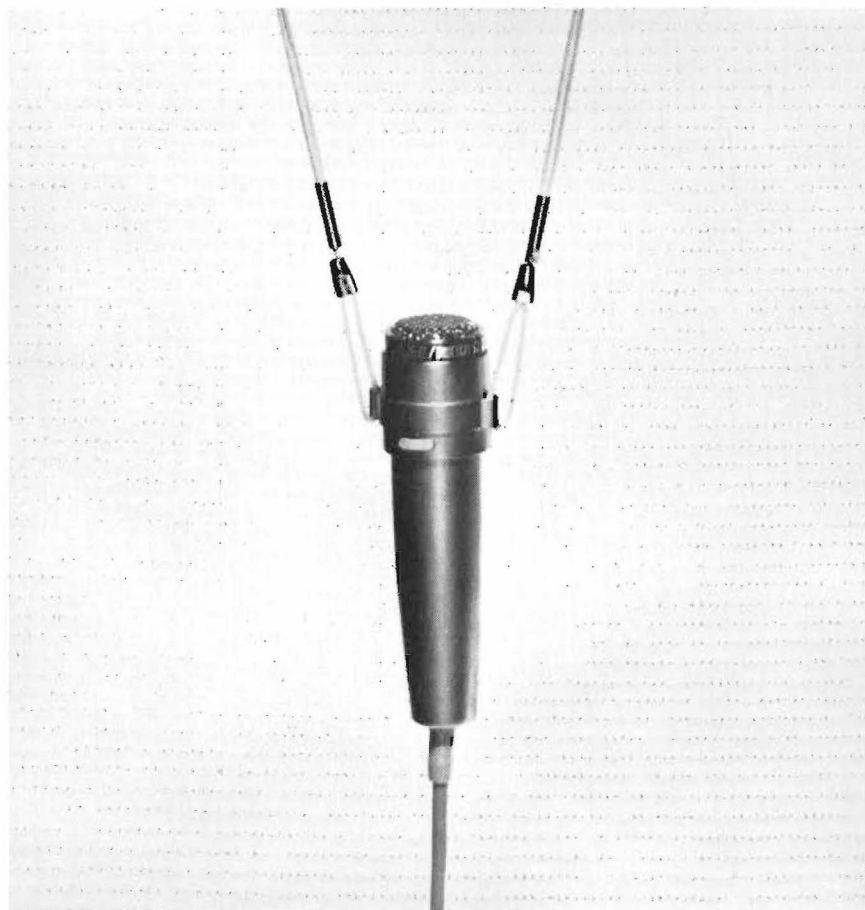
MICROPHONES • HEADPHONES

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# LAVELIER Dynamic Microphone



## D-109



### DESCRIPTION

As indicated in the illustration at left, the new D-109 Lavalier microphone is small indeed – yet its small capsule surpasses the sensitivity ratings expected of most professional dynamic microphones.

Aside from performance, the D-109 is a logical choice for inconspicuous use in television, motion picture and public address applications because it is attractively styled and miniaturized.

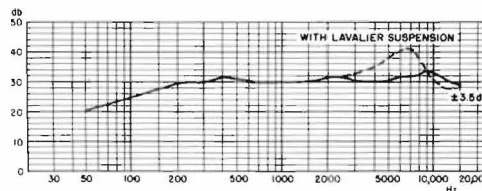
The D-109 is the product of extensive research at AKG, Vienna. One of the many considerations in its design takes into account the resonance of the human chest cavity – for which corrections have been made to assure proper speech reproduction.

In addition, the frequency response curve may be attenuated to specific applications simply by raising or lowering the funnel-shaped Lavalier attachment.

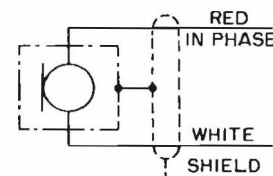
The D-109 is complete with a thin 30 foot non-detachable, flexible cable stripped and tinned.

### TECHNICAL DATA

Frequency range	50-15,000 Hz
Directional characteristics	Omni-directional
Sensitivity	-56 db
Impedance	200 ohms
Dimensions	2 3/4" long x 5/8" diameter
Weight	1 1/2 ounces



### CONNECTION DIAGRAM



### ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a dynamic lavalier type with a frequency range of 50 to 15,000 Hz, and the frequency response such as to take into account the special conditions under which lavalier microphones are used to ensure proper speech reproduction. The frequency response of the microphone shall be attenuable by raising or lowering the funnel-shaped lavalier attachment. The output level shall be -56 db (re 1 mW/10 dynes/cm<sup>2</sup>) 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 matte light gray, and shall not reflect light. The microphone shall incorporate a 30 foot long, 2-conductor plus shield, flexible gray cable. The dimensions of the microphone shall be 2 3/4" long by 5/8" diameter and the weight shall not exceed 1.5 ounces. The microphone specified shall be the AKG D-109.