

Dynamic Headphone-Microphone BOOM COMBINATION



K-59



DESCRIPTION

AKG K-59 headphone-microphone set provides excellent sound reproduction and anti-noise true-fidelity pick up.

A pair of the world-famous K-50 headphone sets are mounted on a folding double bail; the position of the headphones on the bail can be adjusted to suit individual requirements. One side of the double bail incorporates a steel tube (microphone boom) to which is secured an AKG D-58 anti-noise microphone capsule. It has a figure 8 directional characteristic with a frequency range of 70 – 12,000 Hz, a more or less flat frequency response at 150 – 10,000 Hz (at a speech distance of approximately 2 inches and improved discrimination (attenuation at 90° – approx. 15 db).

The microphone boom can be adjusted to the most suitable position in relation to the mouth (being secured by a fixing screw); or it can be swung upwards when the microphone is not in use. The boom snaps into position both when the microphone is in use or when swung upwards. The bail is covered with plastic and fits comfortably on the head causing no fatigue.

Separate leads are provided from each headphone and the microphone.

AKG K-59 is supplied with a windscreen, 6' cable and carrying bag.

TECHNICAL DATA

MICROPHONE

Frequency range

Frequency response

462 (55) (55)

Directional characteristics

Impedance

Average output for speech at 5 cm distance

Average discrimination against undesired noise

70-12,000 Hz (at a speech distance of approximately 2")

± 3 db based on standard curve (measured ot a distance of 2" from artificial voice)

Figure 8, attenuation at 90° approximately 15 db

200 ohms

approximately 0.5 mV (200 ohms)

35 db of 200 Hz, 22 db at 1,000 Hz, 15 db at 5,000 Hz, compared with a diffuse sound field whose source lies at a distance of 36" from the microphone and which produces the same sound pressure as the sound source at a distance of 2"

HEADPHONE

Frequency response

Average power requirement

Maximum undistorted con-

Translation efficiency

Distortion

Impedance

20-20,000 Hz

0.156 milliwotts at a level of 250 millivolts, delivering 95 db SPL per system.

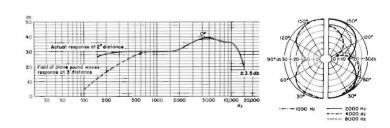
127 db SPL per system with an input

level of 6 volts at 90 milliwatts, with a total harmonic distortion of less than 3%

1 milliwatt input at 630 millivolts will produce 106 db SPL per system

1% or less at 1 millivolt input 400 ohms per system ± 15%

ACCESSORY Z-50 Ear Cushions



CONNECTION DIAGRAM

