



DYNAMIC CARDIOID MICROPHONE



● PROFESSIONAL DYNAMIC CARDIOID MICROPHONE

● SHARP DIRECTIONAL CHARACTERISTIC GIVES
MAXIMUM PROTECTION
FROM ACOUSTICAL FEEDBACK

● IDEAL FOR STAGE AND BANDSTAND

● ESPECIALLY SMOOTH FREQUENCY RESPONSE

● TWO OPTIONAL IMPEDANCES
(200 OHMS, 50-250 OHMS)

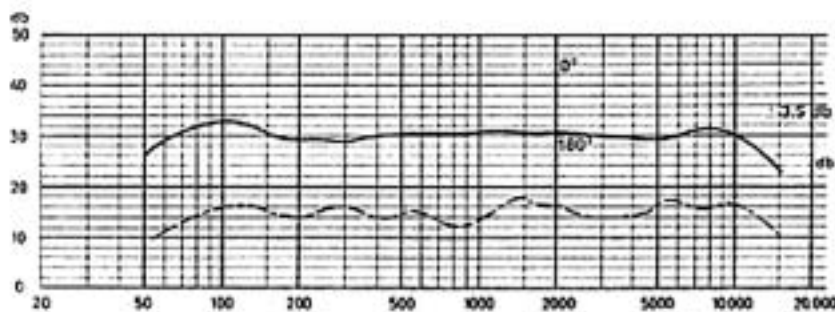
● ELASTIC STEEL SUSPENSION PROTECTS
ACOUSTICAL SYSTEM
FROM VIBRATION AND SHOCK

● SWIVEL-JOINT CONNECTOR FITS ANY STAND
WITH BUILT-IN THREAD ADAPTER



The D 12 is the most widely used musician's microphone in the world. Its outstanding acoustical properties have made it the standard by which the quality of any musician's microphone in common use is judged. The slight boost of frequency response near 80 cps combined with the high front-to-back ratio is the secret of the famous D 12 sound. The operational side of the microphone is identified by a light-colored grille cover. The microphone is so little affected by acoustical feedback that echo-free operation is possible even in rooms with poor acoustics, with no howling when loudspeakers are connected. The sturdy grille cover is fitted with a noise-reducing wind protector and shields the microphone from dust and iron particles.

FREQUENCY RESPONSE CURVE:



POLAR DIAGRAM:



Technical Data:

Type: Dynamic pressure gradient receiver
Frequency Range: 30...18000 cps (see published frequency curve)
Sensitivity at 1000 cps:
at 60 ohms impedance: 0.09 mV/ μ bar (-61 dBV re. 1 V/dyne/cm²)
Microphone rating: GM = -147 dB; -55 dB re. 1 mW/10 dyne/cm²
at 200 ohms impedance: 0.18 mV/ μ bar (-76 dBV re. 1 V/dyne/cm²)
Microphone rating: GM = -147 dB; -55 dB re. 1 mW/10 dyne/cm²
Impedance: 60 ohms \pm 15%, optionally 200 ohms \pm 15%
Min. Actual Load Impedance: \geq 300 ohms or \geq 1000 ohms
Directional Characteristic: Cardioid (see published polar diagram)
Weighted Noise Level: 0.29 μ Veff (Filter CCIF 1954 DIN 45 405)
Unweighted Noise Level: 0.2 μ Veff
Maximum Sound Pressure Level at a distortion of 0.5%:
500 μ bar (129 dB SPL)
Diaphragm: non metallic MAKROFOL
Thread Sizes for Mounting: $\frac{1}{8}$ "-27, $\frac{1}{4}$ "-20, $\frac{1}{2}$ " by means of
universal thread adapter SHZ 4

Order Information and Standard Accessories:

Order number D 12/50-250 delivery includes:
Dynamic cardioid microphone D 12/50-250 (impedance 50-250 ohms)
with 5 m, 3-conductor shielded cable, cable end free.
Order number D 12/200 delivery includes:
Dynamic cardioid microphone D 12/200 (200 ohms impedance)
with 5 m, 2-conductor shielded cable, cable end free.

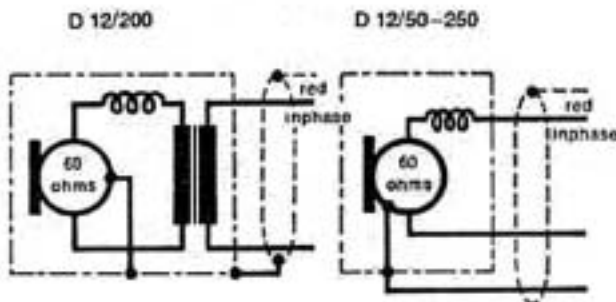
Weights:

D 12/50-250 600 grams
D 12/200 580 grams
Weight with individual packing: 840 grams approx.

Recommended Accessories:

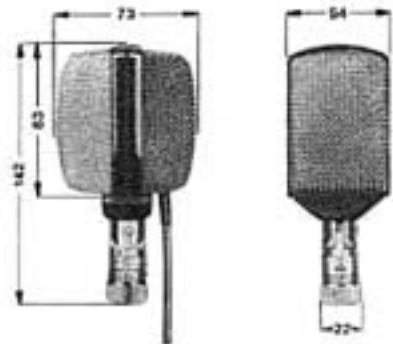
St 11: Table Stand
St 201: Studio Table Stand
St 102A: Floor Stand with Outrigger (Brace)
St 200: Studio Floor Stand
St 12: Short Floor Stand
MSH 30: Flexible Shaft
KU 212A/200: Cable Transformer (200 Ohms/Hi)
KU 212A/60: Cable Transformer (60 Ohms/Hi)

Circuit Diagram:



Dimensions:

(in mm)



Specifications:

The microphone should be of the dynamic cardioid type. Versions with impedances of 50-250 ohms and 200 ohms should be available. The microphone should have a frequency range of 30 to 18000 cps. Frequency response must conform to specifications within \pm 3.5 dB. Attenuation should be 18 dB at an incident sound angle of 180° and 1000 cps. The directional characteristics should be so outstanding that echo-free operation is possible even in rooms with poor acoustics, and that feedback (howling) will not occur even when the microphone is close to the loudspeakers. A built-in wind protector should shield the diaphragm from wind noise as well as from dust and iron particles. A sturdy grid cover should provide protection from rough handling. An elastic suspension of the acoustic system should protect the microphone from interference by mechanical noises as well as from damage due to vibration or shock. A built-in swivel-joint stand connector should permit the microphone to fit stands with thread sizes of $\frac{3}{8}$ ", $\frac{1}{2}$ "-26, and $\frac{1}{8}$ "-27. The microphone should have a maximum length of 142 mm, a maximum width of 54 mm, and a maximum depth of 73 mm. A shielded cable of 5 meters in length, 3-wire for D 12/50-250 and 2-wire for D 12/200, should be permanently attached to the microphone. The AKG microphone D 12 meets these specifications of an ideal musician's microphone.

