



DYNAMIC CARDIOID MICROPHONE

D 19

● DYNAMIC CARDIOID MICROPHONE FOR ALL PURPOSES

● WIDE FREQUENCY RANGE (30 ... 16 000 Hz), SMOOTH RESPONSE CURVE

● SLIM, CONVENIENT FORM

● RUGGED, HIGH-QUALITY CONSTRUCTION

● CONTINUOUS BASS ATTENUATION FROM 0 TO -10 db AT 50 Hz OPERATED BY CONTROL RING

● D 19E: IMPEDANCES OF 60 OHMS, 200 OHMS AND 50 000 OHMS AVAILABLE AT FIVE-PIN CANNON CONNECTOR

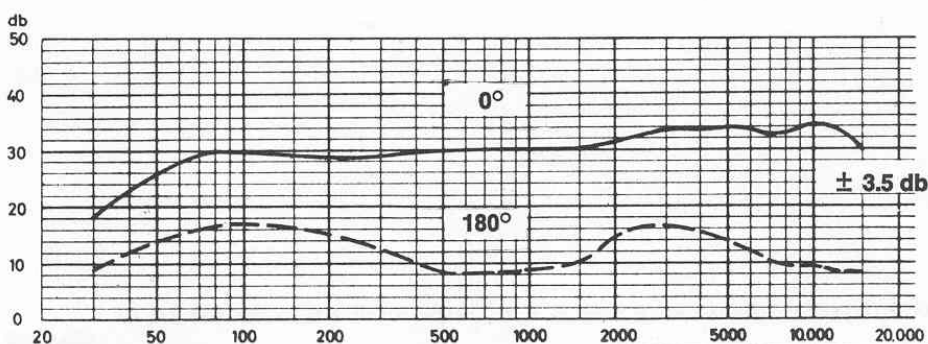
● STAND ADAPTER INCLUDED



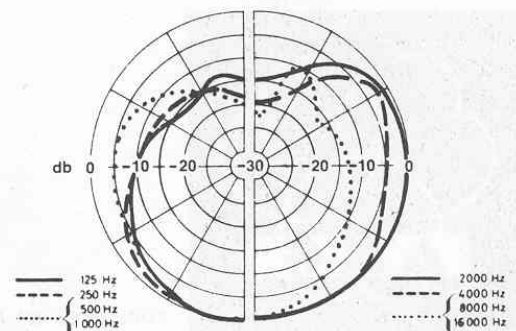
For new reports, conferences, lectures for the many uses of the sound hobbyist, the D 19 has virtually evolved into the symbol of the modern directional microphone.

By varying the output connections, the D 19E can be matched to three different input impedances (60 ohms, 200 ohms and 50 000 ohms) from low to high. Further characteristics of this proven all-purpose microphone are its well directional characteristic, its wide frequency range, its highly uniform response, and its continuous bass attenuator feature. A wide selection of accessories offered by AKG permits application of the D 19E for any purpose.

FREQUENCY RESPONSE CURVE:



POLAR DIAGRAM:



Technical Data:

Type: Dynamic pressure gradient receiver
Frequency Range: 30...16 000 Hz (see published frequency curve)
Sensitivity at 1000 Hz:
at 60 ohms impedance: 0.1 mV/ μ bar (-80 dbv re. 1 v/dyne/cm²)
at 200 ohms impedance: 0.22 mV/ μ bar (-74 dbv re. 1 v/dyne/cm²)
at 50 000 ohms impedance: 2.0 mV/ μ bar (-54 dbv re. 1 v/dyne/cm²)
Microphone Rating: -146 db re. 1 mw/2 · 10⁻⁴ dyne/cm²
-54 db re. 1 mw/10 dyne/cm²
Impedance:
60 ohms \pm 20%, 200 ohms \pm 20% and 50 000 ohms \pm 20%
Min. Actual Load Impedance: \geq 150, 400, 100 000 ohms
Directional Characteristic: Cardioid (see published polar diagram)
Weighted Noise Level: 0.27 μ veff (Filter CCIF 1954 DIN 45 405)
Unweighted Noise Level: 0.2 μ veff
Max. Sound Pressure Level at a distortion of 0.5%:
400 μ bar (126 db SPL)
Diaphragm: non metallic MAKROFOL®
Built-in Connector: at D 19C: Tuchel T 3262
at D 19E: Cannon XLR-5-50
Required Mating Connector: at D 19C: PC 1 (AKG 1483 Var. 1)
at D 19E: Cannon XLR-5-11C

Order Information and Standard Accessories:

Order number **D 19C** delivery includes:
Dynamic cardioid microphone D 19C (impedance 200 ohms), mating connector PC 1 (AKG 1483 Var. 1), stand adapter SA 8, in elegant case.
Order number **D 19E** delivery includes:
Dynamic cardioid microphone D 19E (impedance 60, 200 and 50 000 ohms), stand adapter SA 11, in elegant case. Required mating connector Cannon XLR-5-11C.

Weights:

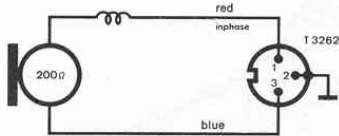
D 19C 160 g.; D 19E 200 g.; Weight with individual packing: D 19C 430 g.; D 19E 460 g.

Recommended Accessories:

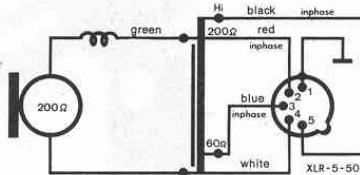
St 1: table stand; St 11: table stand; St 102A: floor stand with brace; St 200: professional floor stand; St 201: light-weight telescopic floor stand; W 1: wind protector mitten; W 24: professional wind screen; H 24: elastic microphone suspension; SA 7: stand adapter for W 24; microphone cable for D 19C: MK 1/5, MK 1/10, MK 6S/5, MK 6T/5, MK 6TS/5; microphone cable for D 19E: MK 3/5, MK 3/10; KU 219: cable transformer for D 19C.

Circuit Diagram:

D 19C



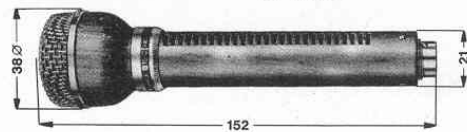
D 19E



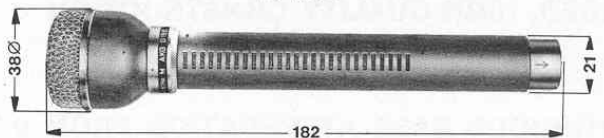
Dimensions:

(in mm)

D 19C



D 19E



Specifications:

The desired ideal dynamic microphone should have a pronounced Cardioid characteristic. Its frequency range should extend from 30...16 000 Hz; its smooth frequency response must deviate no more than \pm 3.5 db from the flat ideal curve. The distortion at 1000 Hz and 180° angle of incidence of sound should be better than 18 db.

A continuous bass attenuator should cover a range from 0 to -10 db at 50 Hz and should be easily controlled by an adjusting ring located on the neck of the microphone. Three different impedances of D 19E (60 ohms, 200 ohms and 50 000 ohms) should be available at the five-pin cannon connector output, so the microphone is ready to plug in to each amplifier input. The metal-microphone handle with only 21 mm. diameter should have small slits for the back sound recording. A robust grid cap with windprotection-material should protect the system from dust and iron particles as well as dampen wind noises.

The microphone should be provided optionally with a built-in 3-pin Tuchel standard connector T 3262 (D 19C), or with a 5-pin Cannon connector XLR-5-50 (D 19E).

A stand connector (quick disconnect) is to be included and should fit any stand by means of a thread adapter which is built-in ($\frac{3}{8}$ " , $\frac{1}{2}$ "-26 Whit. S., $\frac{5}{8}$ "-27 UNS.).

The AKG microphone D 19 meets this description of an ideal dynamic cardioid microphone of universal application.

