Dynamic Microphone
Cardioid* Broad-Band

D 19 B

This small, attractively designed dynamic directional microphone has been developed for use by the amateur in the domestic tape recorder field when high quality recordings are desired. The microphone has a gradually rising frequency response, this being of advantage when music recordings are carried out.

The D 19 B is also ideally suited for use in conjunction with sound installations in schools and transportable amplifier systems such as those employed for small dance bands etc.

* Using new patented principle.

Austrian patent Nos. 186688 and 190112, British patent No. 786111, U.S. patent No. 2865464.

AKG

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TELEFON: (0222) 92 16 47 TELEX: 01 1839 TELEGRAMME: MICROPHONE WIEN

The cardioid dynamic microphone D 19 B operates on the moving coil principle and in addition to a wide frequency range, offers very good front to back discrimination. It is equipped with a switch for speech and music, allowing the low frequencies to be attenuated by approximately 10 db. This compensates for the increase in bass response experienced when a directional microphone is used for close talking purposes. The operation of this switch is carried out simply by turning the ring marked "S" and "M" to the desired position.

When recordings are done under unfavourable acoustic conditions the cardioid directional characteristic of the D 19 B attenuates undesirable background noises and minimizes the amount of echo pick-up or sound reflections from adjacent walls and in the case of public address work reduces the possibility of acoustic feed back from the loudspeakers.

This microphone is available in the following versions:

D 19 B/200 with built-in 3 contact miniature plug. This is the standard model for electro-acoustic installations.

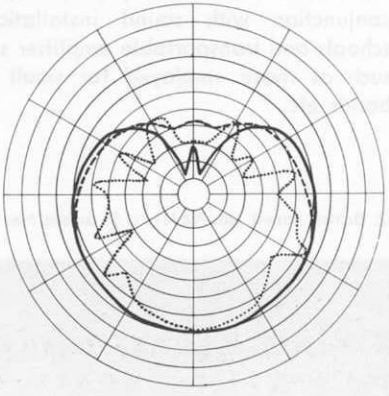
D 19 BK/200 complete with connecting cable and standard miniature plug for connection to tape recorders with low impedance input.

D 19 BK/Hi as above, but with built-in transformer for connection to tape recorders with high impedance input.

Types D 19 BK/200 and D 19 BK/Hi are supplied for tape recorders as complete units, with table stand St 19 and stand connection Sa 1.

Correct use of directional microphones. The use of microphones which pick up the sound from one direction has two distinct advantages when compared with microphones which have the usual omni-directional pattern. These are **echo-free pick up** and **avoidance of acoustic feed back.** However, to make full use of these advantages, it is necessary to place the microphone as far away from sound reflecting surfaces as possible.

When the microphone is used in conjunction with public address installations, it is necessary that the loud-speakers are not facing the sensitive side of the microphone.



Polar Pattern

---- 200 cycles
—— 1000 cycles
..... 10000 cycles

A feature of this microphone is its high degree of reliability. It is to a great extent insensitive to wind and shock and is equally suitable for outdoor and indoor operation. It is attractively designed and the moving coil system incorporates a special type plastic diaphragm.

D 19 B/200 & D 19 BK/200 Technical Data

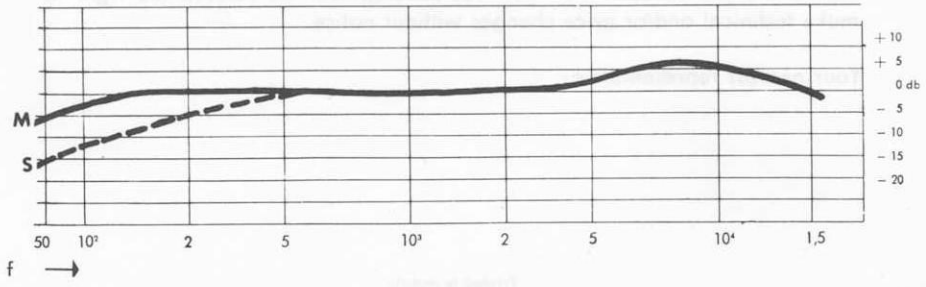
Frequency range	40 . . . 16000 cycles
Frequency response	See standard curve
Directional characteristic	cardioid
Discrimination	15 db approx.
Output impedance	200 ohms
Sensitivity at 1000 cycles	0.18 mv/µbar on open circuit —75 db re 1 v/dyne/cm²
Plug	int'l standard miniature 3 pin
Plug Connection	Pins 1 & 3 — moving coil Pin 2 — ground
Stand Connection	With stand connection piece Sa 1, Sa 2 or Sa 3

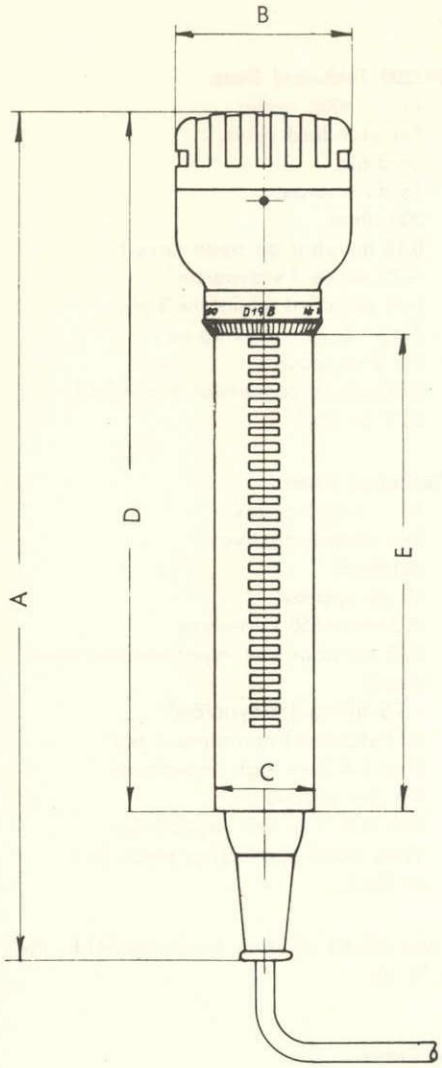
D 19 BK/Hi Technical Data

Frequency range	40 . . . 16000 cycles
Frequency response	See standard curve
Directional characteristic	cardioid
Discrimination	15 db approx.
Output impedance	200 ohms / 50 kilo-ohms
Sensitivity at 1000 cycles	0.18 mv/µbar low impedance on open circuit —75 db re 1 v/dyne/cm²
Plug	int'l standard miniature 3 pin
Plug Connection	Pins 1 & 2 — high impedance Pin 2 — ground Pins 2 & 3 — low impedance
Stand Connection	With stand connecting piece Sa 1 or Sa 2

This microphone is shielded* against the effects of stray magnetic fields, the shielding effect being approximately 18 db.

Standard Curve





Dimensions
A — 175 mm (6⁷/₈″)
B — 36.2 mm (1⁷/₁₆″)
C — 21 mm (¹³/₁₆″)
D — 144 mm (5¹¹/₁₆″)
E — 97.5 mm (3¹³/₁₆″)

Weight
175 g (6 ozs.)

In the interests of continual technical development we reserve the right to make technical and/or price changes without notice.

Your nearest representative:

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