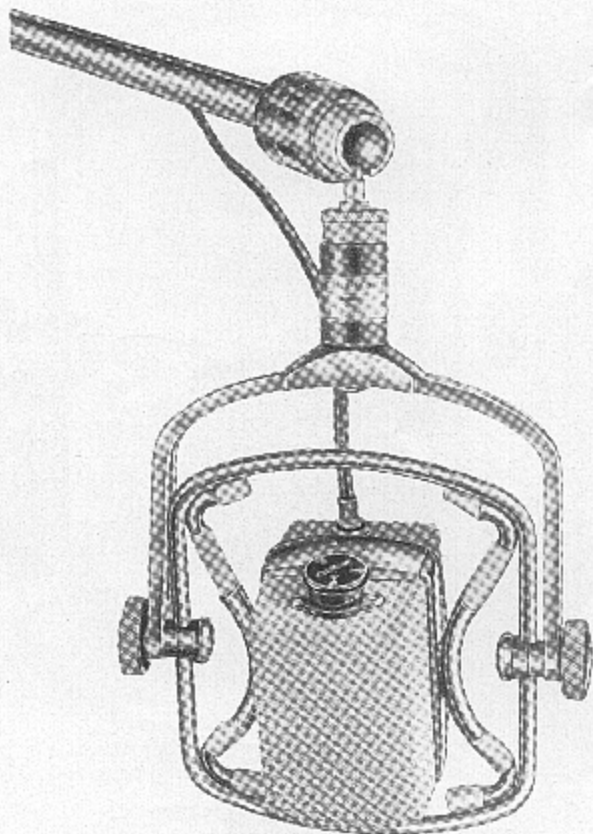


TELEVISION AND FILM WORK CALLS FOR A SPECIAL SOUND PICK-UP TECHNIQUE

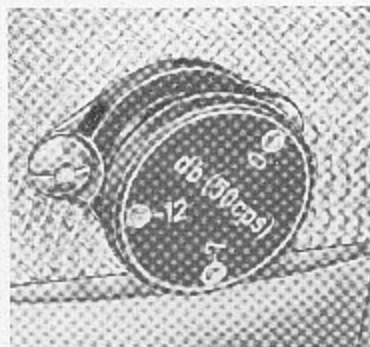


The boom and fish poles are used to suspend the microphones as closely as possible to the actors and to follow their movements, however fast and erratic. The microphones must be protected from the resulting shocks and jolts, which is particularly difficult in the case of several microphones fixed to a cross bar at the end of a boom, as used for stereophonic recording.

The Moving Coil Cardioid Microphone Type D 25 has been specially designed to meet these requirements. The high degree of shockproofness has been attained by the use of a rubber suspension in a swivel frame.

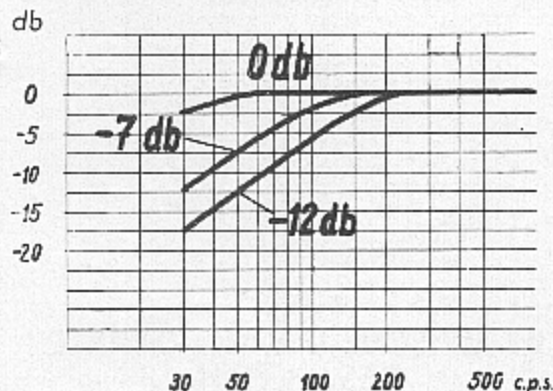
The acoustical properties of the D25 are identical with those of the well-known Type D 20 Cardioid Microphone.

In certain cases, particularly when recording speech at very close range, it may be desirable to reduce the low frequency response of the D 25. A "Pull and Turn" switch is provided for this purpose, which drops the response at 50 c.p.s. by 7 or 12 db, respectively, in two steps. The shockproofness is thereby still further improved. The "-12 db" position should, however, be used only for the pick-up of speech at very short range.



Method of operation:

Pull knob and rotate until the required marking (0, -7, -12 db) is opposite the red dot on the screw head, then push knob home.



Low Frequency Response for the three switch positions

The connector for fixing the microphone frame to the boom has a removable threaded insert, thereby providing a choice of three standard threads ($\frac{3}{8}$ " , $\frac{1}{2}$ " or $\frac{3}{8}$ " - 27).

A 10 ft twin shielded cable is firmly connected to the microphone, the free end being fitted with a 3 pole plug and socket connector.

Technical Data:

Frequency Range: 30 - 15.000 c.p.s.

Frequency response: linear within ± 3 db max.

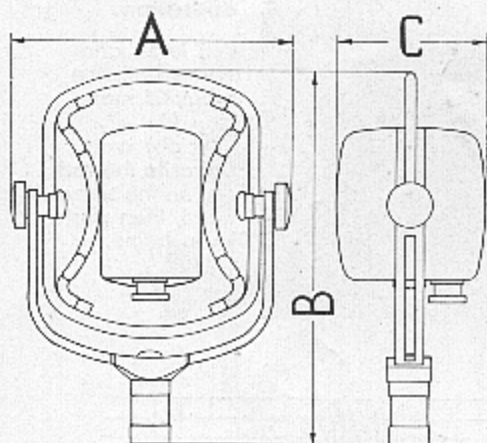
Directional characteristic: cardioid

Discrimination at all frequencies, between front and rear: 15 db min. to approx. 25 db

Effective output level: - 50 dbm (referred to 1 mW and to a sound pressure of 10 dynes/cm²)

Sensitivity: at 60 ohms open circuit - 0.14 mV/db (77 db below 1 volt/dyne/cm²)

Dimensions:



A = 6"
B = $7\frac{7}{8}$ "
C = $3\frac{3}{8}$ "

Weights:

Microphone with Cable and Connector,
without case - 2 lbs. 3 ozs.
including case - 3 lbs. 9 ozs.

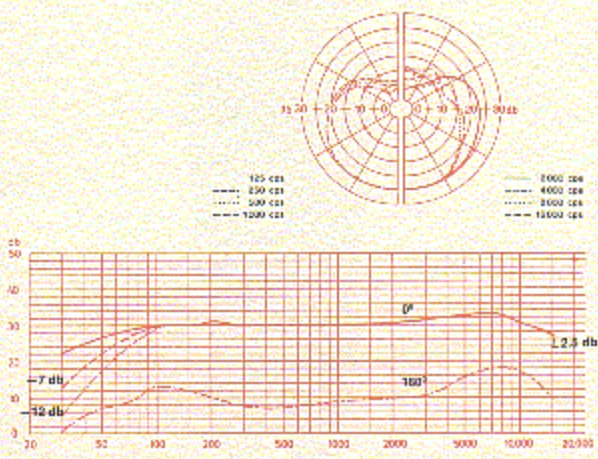
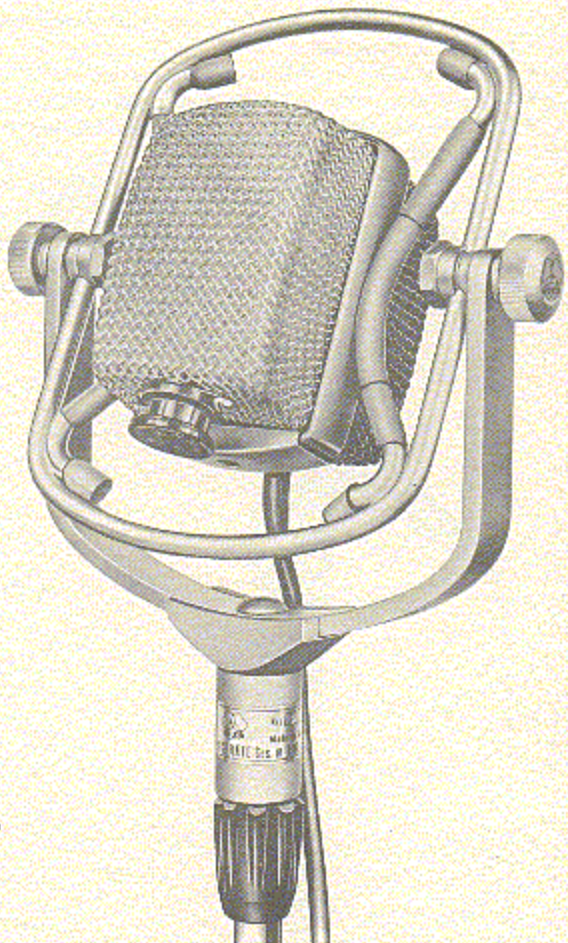
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**AKUSTISCHE U. KINO-GERÄTE
GES. M. B. H.**

NOBILEGASSE 50
VIENNA XV, AUSTRIA

PRINTED IN AUSTRIA

- Professional Dynamic Cardioid Microphone for motion picture, television and studio applications
- Extremely shock proof: rubber shock mount within a swivel frame
- In addition: rugged construction and a built-in steel suspension
- Highly directional characteristic (Cardioid) independent of frequency throughout entire frequency range
- Flat frequency response (± 2.5 db from the standard curve)
- Bass attenuation: 0, -7, -12 db at 50 cps
- Built-in thread adapter SHZ 4: Microphone fits all stand threads



Frequency Range: 30 ... 18 000 cps; Sensitivity for D 25B/60: 0.09 mv/ μ bar (-61 dbv); for D 25B/200: 0.16 mv/ μ bar (-76 dbv); Impedance for D 25B/60: 60 ohms $\pm 15\%$; for D 25B/200: 200 ohms $\pm 15\%$; Min. Actual Load Impedance for D 25B/60: ≥ 300 ohms; for D 25B/200: ≥ 1000 ohms; Weighted Noise Level: 0.26 μ v_{eff} (Filter CCIF 1954 DIN 45 405); Unweighted Noise Level: 0.2 μ v_{eff}; Max. Sound Level (for 1% thd): 500 μ bar (128 db).

Order number: **D 25B/60** delivery includes:

- Dynamic Studio Microphone D 25B/60 (60 ohms impedance) with 3 m, 2-conductor shielded cable, free cable end, 850 g; in wooden case, 750 g
- Weight with individual packing, ca. 1770 g.

Order number: **D 25B/200** delivery includes:

- Same as D 25B/60, but Microphone with 200 ohms impedance.



D 20 B D 25 B

Dynamic Cardioid Microphones

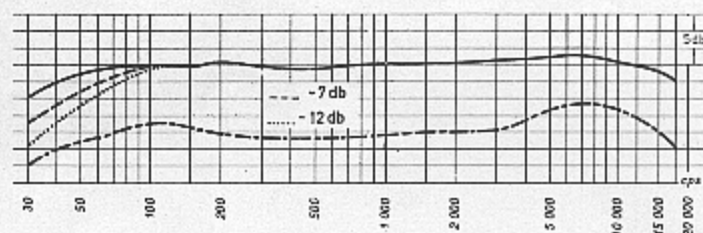
The D 20 B is a dynamic directional microphone with a very pronounced cardioid polar pattern. Since its cardioid action is independent of frequency throughout the entire wide range, it is best suited for applications where loudspeakers are within close range or where sounds from the rear must not be picked up.

The particularly flat frequency response (deviating only 2.5 db from the standard curve) and the extremely favorable discrimination (higher than 20 db anywhere) are outstanding features of this D 20 B studio microphone. The robust construction and the built-in steel suspension guarantee many years of trouble-free service. The sensitive side of the microphone is easily distinguished by the light colored grille protecting the microphone against wind and breathing noises.

The SHZ 4 universal thread adapter provided in the stand connection permits the microphone to be connected to all microphone stands or booms.

PARTS SUPPLIED

The D 20 B is delivered in case, with 3 S 17 B connector. The D 25 B in case with 12' 6" (5 m) shielded 2-conductor cable with free ends.



The D 25 B microphone differs from the D 20 B that it has a rubber suspension within a swivel frame. This microphone has the same technical specifications as the D 20 B with the exception of the microphone cable.

Due to its special construction the D 25 B is particularly suitable for use with large boom stands on stages and in television studios.

TECHNICAL DATA

	D 20 B	D 25 B
Frequency range:	30 ... 16 000 cps	30 ... 16 000 cps
Frequency response:	± 2.5 db rel. to published curve	± 2.5 db related to published curve
Directional characteristic:	cardioid	cardioid
Front-to-back ratio at 180° sound incidence:	better than 20 db	better than 20 db
Bass attenuation switch:	0, -7, -12 db at 50 cps	0, -7, -12 db at 50 cps
Impedance:	200 ohms, 60 ohms if specified	200 ohms, 60 ohms if specified
Sensitivity, unloaded:	0.16 mV/ μ bar (-77 db re 1 v/dyne/cm ²)	0.16 mV/ μ bar (-77 db re 1 v/dyne/cm ²)
Connection:	D 20 B: AKG connector 3 S 17 B (supplied), 1-2 = moving coil, 3 = ground D 25 B: microphone cable without connector, (free wire ends), 12' 6" (5 m) long	
Stand connector:	D 20 B: built-in thread adapter SHZ 4, for 3/8", 1/2" and 5/8" -27 D 25 B: built-in thread adapter SHZ 4, for 3/8", 1/2" and 5/8" -27	
Dimensions:	D 20 B: 7 5/16" x 3 1/16" x 2 1/8" (186 x 77 x 54 mm) D 25 B: 7 7/8" x 5 7/8" x 3 1/8" (200 x 150 x 80 mm)	
Weight:	D 20 B: 1 lb. 9.6 ozs. net (730 g), shipping weight: 3 lbs. 11.2 ozs. (1700 g) D 25 B: 1 lb. 12.6 ozs. net (840 g), shipping weight: 4 lbs. 9.6 ozs. (2100 g)	



ACCESSORIES

(For D 20 B)

Floor stand St 200, floor stand St 101 stable, floor stand St 102 (as St 101, but with boom), heavy table stand St 301, table stand St 10, studio-matching transformers U 3027 and U 3053, flexible microphone shaft MSH 30.

(For D 25 B)

Floor stand St 200, floor stand St 101 stable, floor stand St 102 (as St 101, but with boom), heavy table stand St 301, large microphone boom stand SM 911/1, studio-matching transformers U 3027 and U 3053, windscreen W 25 A.

