

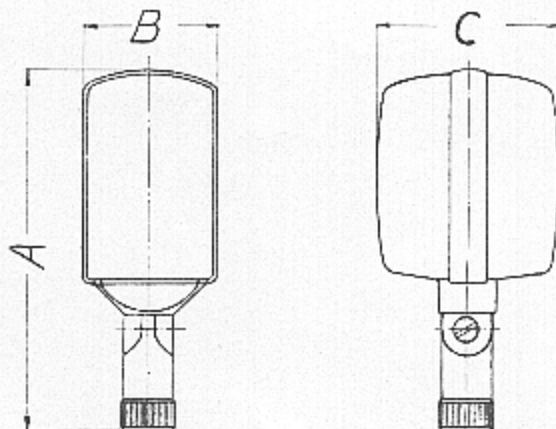
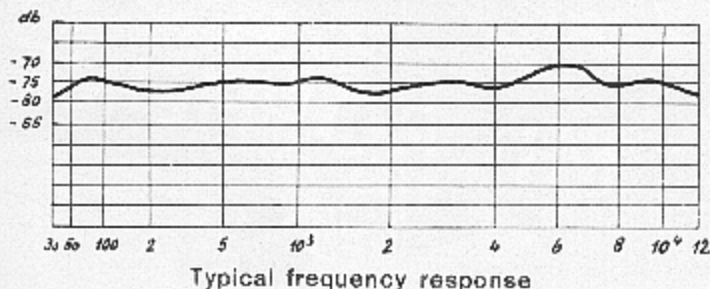
Polar pick-up pattern

The **D 12 Dynamic Cardioid Microphone** is of the moving coil operated type and has an exceptionally smooth, wide-range response. It is designed for use in mobile equipment, recording and public address work for which applications it is particularly suited owing to its unidirectional "Cardioid" pick-up pattern which greatly reduces feedback, echoes and audience noises.

This new microphone contains a single transducer unit only, spring suspended inside the case, and having a frequency range which, by virtue of a new patented principle, extends down to 40 c.p.s. without increasing sensibility to vibration and wind noise.

The D 12 is a rugged, dependable instrument suitable for outdoor operation. The case is provided with a swivel joint allowing the microphone to be aimed at the source of sound for optimum pick-up. A choice of three different threads is available for mounting the instrument.

The standard D 12 microphone without transformer, having an impedance of approximately 60 ohms, may be connected to amplifiers having an input impedance up to 200 ohms without in any way disturbing the frequency response.



Dimensions: A = $5\frac{1}{8}$ "
B = $2\frac{1}{8}$ "
C = $2\frac{1}{8}$ "

Specifications:

Frequency range: 40 to 12,000 c.p.s.

Frequency response: ± 4 db max.

Directional characteristic: cardioid

Discrimination between front and rear, at all frequencies: approx. 15 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/ μ b (77 db below 1 volt/dyne/cm²)

Output impedances:

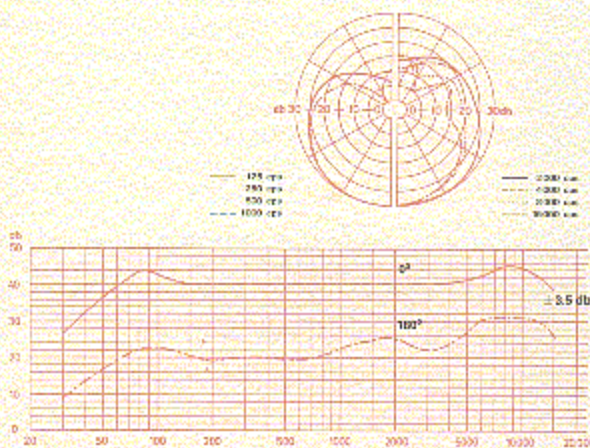
Standard D 12: 60 ohms

D 12/250 } with built-in matching transformer:
D 12/500 } choice of 250, 500 ohms or high im-
D 12/HI } pedance

Mounting: $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{8}$ " — 27 thread

Weight: all types 1 lb. 7 ozs.

- Professional Dynamic Cardioid Microphone
- Ideal for stage and beat music
- Controlled bass boost
- Specific presence effect
- Permits much higher volume without feedback as compared to other cardioid microphones
- Elastic steel suspension protects acoustic circuits
- Swivel joint, fits all stands



Frequency Range: 30 ... 18 000 cps; Sensitivity (for 60 ohms impedance): 0.09 mv/ μ bar (-81 dbv); (for 200 ohms impedance): 0.16 mv/ μ bar (-76 dbv); Impedance: 60 ... 250 ohms or 200 ohms $\pm 15\%$; Min. Actual Load Impedance: 300 ohms or 1000 ohms; Weighted Noise Level: 0.26 μ velf (Filter CCIF 1954 DIN 45 405); Unweighted Noise Level: 0.2 μ velf; Max. Sound Level (for 0.5% thd): 500 μ bar (128 db).

Order number: **D 12/50-250** delivery includes:

- Professional Dynamic Microphone D 12/50-250 with 5 m, 3-conductor shielded cable, free cable end, 600 g • Weight with individual packing, ca. 640 g.

Order number: **D 12/200** delivery includes:

- Professional Dynamic Microphone D 12/200 (200 ohms impedance) with 5 m, 2-conductor shielded cable, free cable end, 580 g • Weight with individual packing, ca. 620 g.

D 12

Dynamic
Cardioid
Microphone

D 12

Dynamic Cardioid Microphone

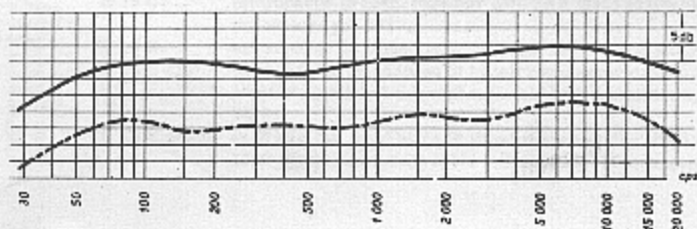
The D 12 dynamic directional microphone with cardioid characteristic has been in widespread and successful employment for many years. It possesses a flat frequency response and a particularly pronounced directional characteristic, and consequently it is a constant companion of good quality dance bands and with P.A. systems. Smaller studios too appreciate the D 12's excellent properties. The microphone incorporates an elastic suspension against shock, jolting and floor-borne sound. The sensitive side of the microphone has a light colored grille, providing screening against wind and breathing noises.

TECHNICAL DATA

Frequency range:	40 ... 15 000 cps
Frequency response:	± 3 db related to published curve
Directional characteristic:	cardioid
Front-to-back ratio:	approx. 18 db at 180° sound incidence
Impedance:	200 ohms, if specified 60 ohms
Sensitivity, unloaded:	0.16 mV/ μ bar (-77 db re 1 v/dyne/cm ²)
Microphone cable:	approx. 16.4 ft. long (5 m), 2-pole, shielded, without plug
Stand connector:	thread adapter for 3/8", 1/2", 5/8"-27 threads
Dimensions:	5 5/8" x 2 1/8" x 2 7/8" (142 x 54 x 73 mm)
Weight:	1 lb. 1.5 ozs. net (650 g) Shipping weight: 3 lbs. 4.8 ozs. (1500 g)
Connection diagram:	N (see page 32)

ACCESSORIES

Cable transformer U212, flexible microphone shaft MSH 30, table stand St 10, heavy stand St 301, floor stand St 101 stable, floor stand St 102 as St 101, but with boom, floor stand St 200.



D 12

Dynamic cardioid studio microphone with in-built "bass chamber", ideal for amplifying musical instruments



Supplied with attached cable, cable length 2 m., cable end free

Impedance: 200 ohms

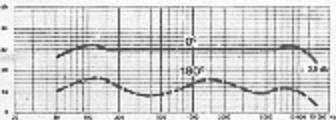
Frequency response:

40 . . . 17 000 Hz

Sensitivity:

0.22 mV/ μ bar

(-73 dbv)



D 12 E



Because of its cardioid characteristics and unusually clean and transparent low frequency reproduction, it is mostly used on stage and in the studio for pickup of bass instruments like bass drum, bass guitar or bass section of the leslie cabinet or – with excellent results – for brass instruments like the trombone.

The D 12 yields a very intimate sound when used near the sound source. Hum induced by magnetic stray fields is eliminated by a compensation coil.

The robust steel wire-mesh screen with built-in windscreen protects the sensitive system against mechanical shock and pickup of wind and pop noise.

A 3-pin XLR-type connection at the bottom of the D 12 E matches the SA 40 quick disconnect stand adapter.

Included Accessories:

SA 40 Stand adapter

Optional Accessories:

MK 9/10 10 metre connecting cable

St 102 A, St 200 Floor stands

St 1, St 5, St 12, St 305 Table stands

Technical Data:

- Type: pressure gradient receiver
- Directional characteristics: cardioid
- Frequency range: 40 to 15,000 Hz
- Sensitivity at 1,000 Hz: 2.2 mV/Pa (0.22 mV/ μ b) \pm – 73 dBV ref. 1 μ b
- Impedance at 1,000 Hz: 290 ohms
- Max. sound pressure for THD of 0.5%: 50 Pa \pm 128 dB SPL
- Hum sensitivity at 50 Hz: 10 μ V/5 μ T
at 100 Hz: 20 μ V/5 μ T
- Permissible climatic conditions:
temperature range: – 10° C to +65° C
relative humidity: 90% (20° C to 65° C)
- Connector: 3-pin XLR-type
- Dimensions:
55 x 76 x 140 mm (2.2 x 3 x 5.5 inch)
- Net weight: 580 g (1.3 lb)
- Shipping weight: 870 g (1.9 lb)

