



MELODIUM

MICROPHONE
Type **93 C**

CONDENSER MEASURING MICROPHONE



MELODIUM 93 C is an electrostatic microphone intended for accurate measuring of pressure and extraordinary acoustic vibrations in the frequency range of 20 to 20.000 Hz.

We recommend it for the measuring of noise levels. Its characteristics are lesser bulk, a linear frequency response and excellent durability.

The condenser cell is directly fitted onto a preamplifier and everything is in low tension.

PRESENTATION

- Cylindrical shape.
- Dimensions : 20 mm diameter - 98 mm length.
- Metallized plastic diaphragm.
- Connection by 5 pin MELODIUM plug.
- Supplied in box with female connector (Re : 5431) and articulated clip (Re : 310)

ACCESSORIES

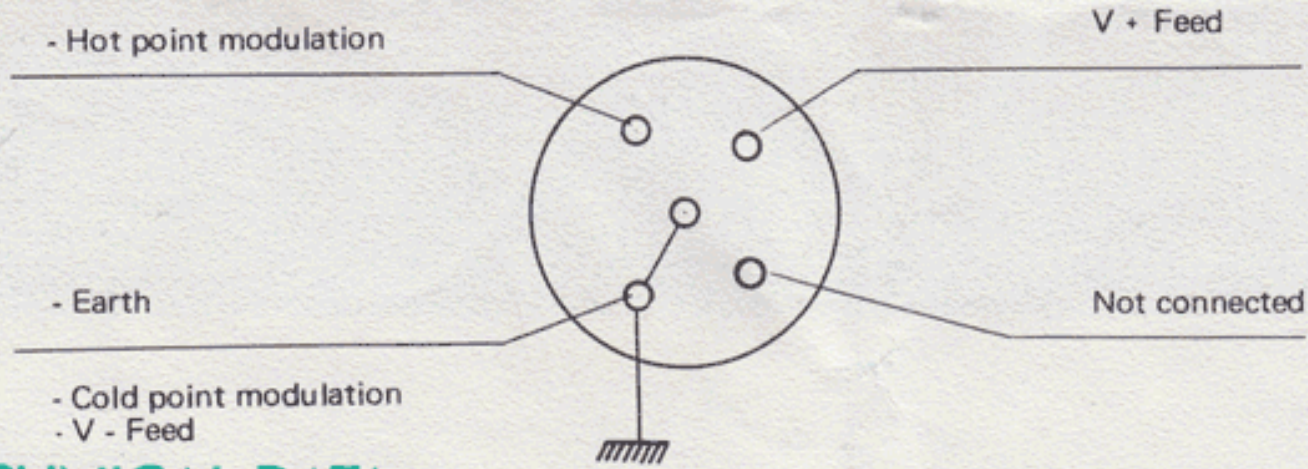
- Feeding box (Re : 464 B)
- Collapsible floor stand (Re : 351)
- Heavy floor stand (Re : 353)
- Boom arm for floor stand N° 353 (Re : 360).
- 10 meters screened cable (Re : 580).
- Windshield (Re : 392)

UTILIZATION

Through its standardised applicability, the Microphone 93 C permits the exact measurement of all noise levels, from machines, engines and ballistic missile noises, to atmospheric sounds, noises in workshops, halls, towns, etc.

The effectiveness of sound-proofing can also be measured and thus living conditions improved.

CONNECTIONS



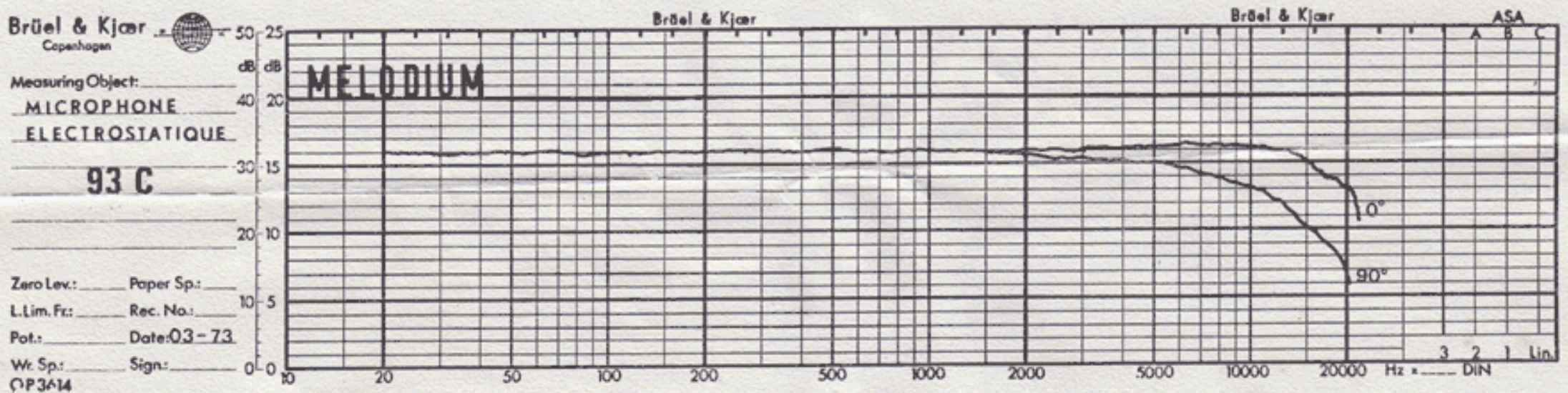
TECHNICAL DATA

- 1 - **TYPE** : Condenser
- 2 - **DIRECTIONAL CHARACTERISTICS** : Omnidirectional
(See Curve)
- 3 - **EFFICIENCY** : at 1 KHz in free field : 70 mV by Pascal on open circuit.
- 4 - **AMPLITUDE/FREQUENCY CURVE** : 20 at 20.000 Hz : 2 dB
- 5 - **INTERNAL OUTLET IMPEDANCE** : 220 Ohms asymmetrical
- 6 - **ELECTRICAL IMPEDANCE** : 200 Ohms
- 7 - **SATURATION LEVEL AT FEED** : 2 KOhms 128 dB.
Re : OdB : 210 - 5 P
- 8 - **EQUIVALENT NOISE LEVEL** : 28 dB A.
- 9 - **SIGNAL/NOISE RATIO** : 100 dB (Noise level 30V weighted A)
- 10 - **SUPPLY VOLTAGE** : 13 to 18 volts.
- 11 - **CONSUMPTION** : 8 to 10 mA.
- 12 - **TEMPERATURE RANGE** : 0 C to 70 C .
- 13 - **PHASE** : 1 - Angle of phase rotation 180C relating to tension.
2 - The phase variations due to the linear distortion are negligible in the range 20/20.000 Hz.



AMPLITUDE/FREQUENCY CURVE

Plotted in an anechoic chamber



Authorized MELODIUM distributor :