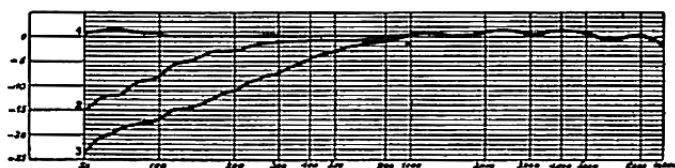


# MÉLODIUM Ribbon Microphone

Type 42 B • Bi-directional • New model



The MÉLODIUM Type 42 B ribbon microphone.



Frequency response curve of the 42 B microphone.

The MÉLODIUM microphone Type 42 B is a velocity microphone. The MÉLODIUM microphone ribbon is a band of aluminum  $\frac{3}{1000}$  mm thick, placed in the field of two extremely powerful magnets. The microphone is bi-directional, which means that sound waves striking the ribbon on its front and rear faces act on the microphone, but waves coming in the plane of the ribbon have no effect. This feature provides great reduction in feedback compared to pressure microphones, and helps to avoid unwanted sound sources in the ribbon plane. The frequency response is flat ( $\pm 2$  dB from 30 to 15,000 c.p.s.) regardless of the ribbon's incident angle. The im-

pedance is 50 ohms obtained through a balanced and shielded transformer placed beneath a screen inside the microphone body.

NEW: The MÉLODIUM Type 42 B has a three-position selector: Speaker, Voice, Music. It is recommended that the Speaker position be used when close-talking the mic, the Voice position from about one meter (three feet) away, and Music for musical sources that are farther from the microphone. This microphone is sensitive to wind and cannot be used outside without special screens. The MÉLODIUM Type 42 B ribbon microphone is highly recommended for indoor public addresses, recordings in studios, and for any acoustic speaker measurements as its frequency response is far flatter than any other velocity microphone types.

## SPECIFICATIONS

**Output Impedance:** 50 ohms  $\pm 10\%$  at 800 c.p.s.

**Frequency Response:** 30 to 15,000 c.p.s.

**Sensitivity:**  $-56$  dB for a pressure of 10 bars.  
Output 50 ohms, open circuit reference: 1 mW.

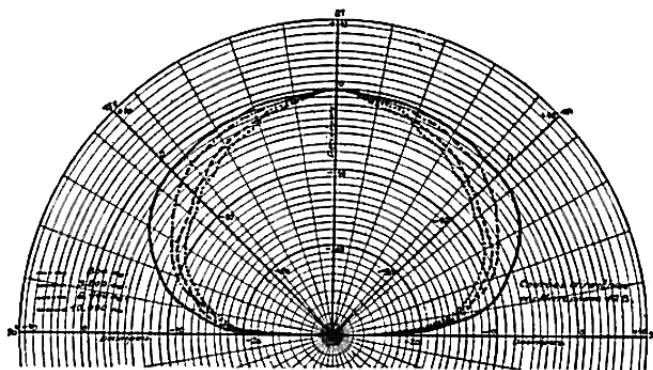
**Three-position selector:** Speaker, Voice, Music.

**Dimensions:** 315mm high, 140mm wide, 60mm thick.

**Weight:** 2,650 Kg.

Microphone Type 42 B, without stand, with tuning fork and 50-ohm output transformer in the microphone.

Type E 40 FS matching transformer couples to the tube preamp in a magnetic-proof separate enclosure.



The MÉLODIUM Type 42 B directional polar pattern.