

Bidirectional Double Ribbon Microphone

DESCRIPTION

The M 130's unique double ribbon element has superb transient response, creating a highly detailed sound with unequalled accuracy and transparency. The bidirectional figure eight polar pattern effectively suppresses unwanted interference from the sides. The M 130's balanced, uncolored sound handles a wide variety of applications. In conjunction with the hypercardioid M 160, the M 130 is ideal for creating an authentic stereo image through the use of the M-S (Mid-Side) technique.

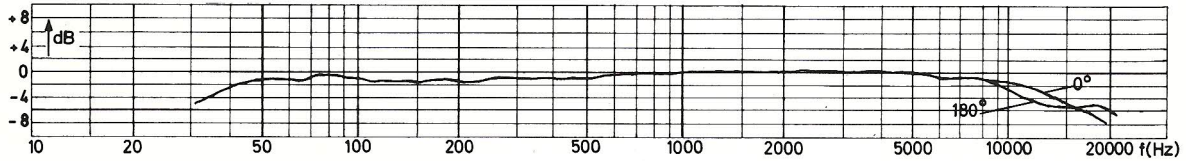
FEATURES

- **Unique double ribbon element**
- **Consistent figure-eight polar characteristic throughout frequency range**
- **Extended frequency response**
- **Compact, rugged design**

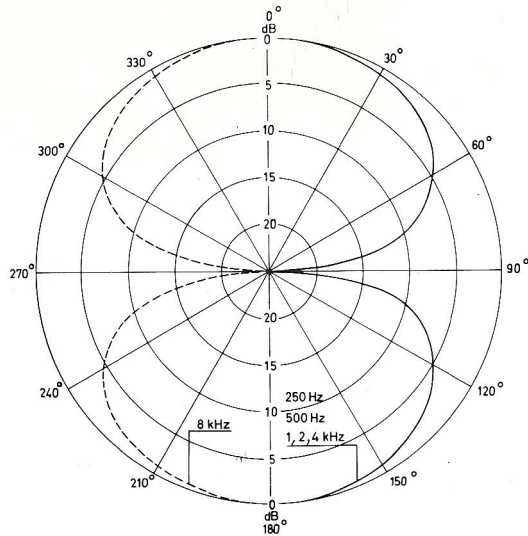
APPLICATIONS

The M 130 gives excellent results when the Mid-Side technique is used to record or broadcast a true stereo image. Its rugged design handles the demands of remote recording/broadcast sessions as easily as those of the studio. Alone, the M 130 allows the recording of background audience noise and concert hall "ambience" without unwanted resonances. In the recording studio it is effective with backing vocal groups, percussion and mounted toms. The M 130's crisply articulated, uncolored sound is well suited to such demanding audiophile applications as digital and direct-to-disc recording.

FREQUENCY RESPONSE CURVE (± 2.5 dB)



POLAR PATTERN

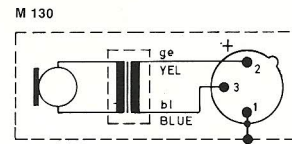


This polar pattern and frequency response curve correspond to typical machine run specifications from a standard M 130.

SPECIFICATIONS

Transducer type:	Dual dynamic ribbon
Operating principle:	Pressure gradient
Frequency response:	40 - 18,000 Hz
Polar pattern:	Figure-eight
Side attenuation at 90°/270° (1 kHz):	> 30 dB
Open circuit voltage at 1 kHz:	1.0 mV/Pa
Output level:	- 59 dBm (0 dBm \triangle 1 mW/Pa)
EIA sensitivity rating:	- 152 dBm (0 dBm \triangle 1 mW/2 x 10 ⁻⁵ Pa)
Nominal output impedance:	200 ohms
Load impedance:	\geq 1000 ohms
Diaphragm:	Pure aluminum
Case:	Brass
Case finish:	Shaft - matte black chromium plating. Top - chrome mesh
Male connector:	Neutrik 3 pin
Net weight (less cable):	150 grams (5.3 oz.)

WIRING DIAGRAM



Positive pressure produces positive voltage on yellow cable lead (+)

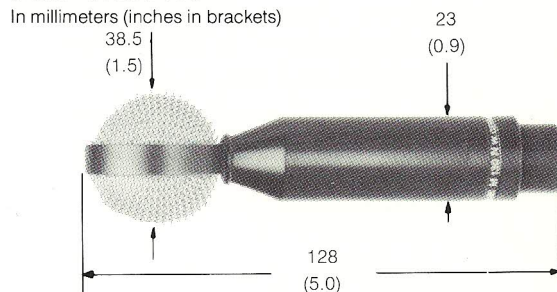
FURNISHED ACCESSORIES

Carrying case:	Black leatherette foam lined
Mic clip:	MKV 8

OPTIONAL ACCESSORIES

Cable:	MVK C-C/20 black 20 ft. two-conductor spiral shield synthetic rubber jacketed with black Neutrik 3 pin female XLR connector on mic end and black Neutrik 3 pin male XLR connector on equipment end. MVK C-C also available in 25 and 50 ft. lengths and with 1/4" two-conductor plug at equipment end
Mic clip:	MKV 6 quick release
Windscreen:	WS 260, available in red, blue, yellow and green

DIMENSIONS



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a bidirectional dynamic type with a frequency range of 40 - 18,000 Hz. The unit shall have a figure eight polar characteristic. Attenuation at 90° and 270° shall exceed 30 dB. The microphone output shall be - 59 dBm when 0 dBm \triangle 1 mW/Pa respectively 1 mV/Pa. EIA sensitivity at 1,000 Hz shall be - 152 dBm. Electrical impedance shall be 200 ohms. The case shall be made of brass with a matte black chromium plated finish and a chrome mesh top. The dimensions shall be: 5.0 in. (128 mm) overall length, head diameter of 1.5 in. (38 mm) and shaft diameter of 0.9 in. (23 mm). The microphone shall be available with a Neutrik 3 pin male connector or equivalent. The Beyer Dynamic model M 130 is specified.