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 character—
stic 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 Δ 1 mW/Pa)
- EIA sensitivity rating: -152 dBm (0 dBm Δ 1 mW/Pa)
- Nominal output impedance: 200 ohms
- Load impedance: ≥ 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.)

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 Δ 1 mW/Pa respectively 1 mW/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.

Subject to change without notice.