



## Hypercardioid Moving Coil Microphone

### DESCRIPTION

THE M 201's specially constructed pressure gradient transducer produces high output and excellent transient response in an unusually compact design. A high degree of side attenuation allows increased gain without feedback. The M 201 is acclaimed by engineers for its versatility and wide, uncolored frequency range. The high output creates a rich, warm sound with an articulate high end, even at longer working distances. An integral humbucking coil reduces magnetic field interference by 18 dB at 50 Hz.

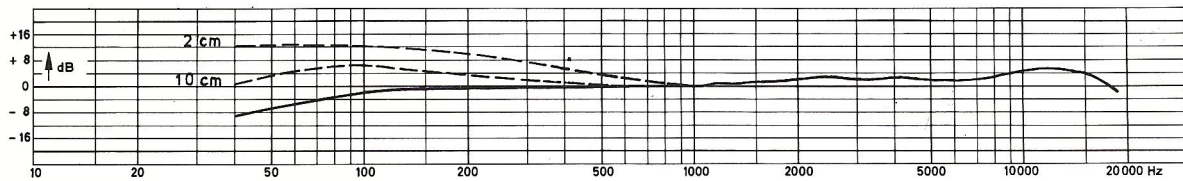
### FEATURES

- **Low-mass moving coil transducer**
- **True hypercardioid polar characteristic**
- **Flat frequency response**
- **High sensitivity**
- **Integral -18 dB humbucking coil**

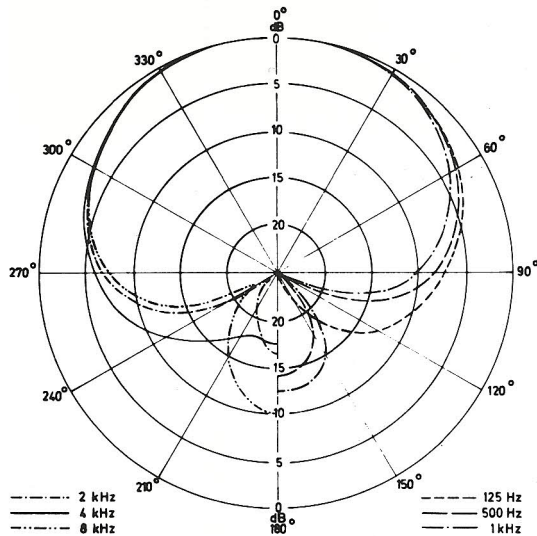
### APPLICATIONS

The M 201's unique construction reduces handling noise to a minimum, giving excellent results as an audience response microphone in TV studios and for location production of vocals and sound effects. Its uniform response and small size make it especially effective for recording and reinforcing snare drums, hi-hats, rack toms and percussion. It also works well with banjos and acoustic guitars.

## FREQUENCY RESPONSE CURVE ( $\pm 2.5$ dB)



## POLAR PATTERN

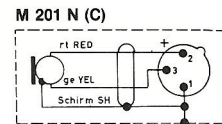


This polar pattern and frequency response curve correspond to typical machine run specifications from a standard M 201

## SPECIFICATIONS

Transducer type:	Dynamic moving coil
Operating principle:	Pressure gradient
Frequency response:	40 - 18,000 Hz
Polar pattern:	Hypercardioid
Side attenuation at 120° (1 kHz):	> 20 dB
Open circuit voltage at 1 kHz:	1.2 mV/Pa
Output level:	-57 dBm (0 dBm $\triangle$ 1 mW/Pa)
EIA Sensitivity rating:	-150 dBm (0 dBm $\triangle$ 1 mW/2x 10 <sup>-5</sup> Pa)
Magnetic Field Suppression:	> 18 dB @ 50 Hz
Nominal output impedance:	200 ohms
Load impedance:	$\geq$ 1000 ohms
Diaphragm:	Hostaphan®
Case:	Brass
Case finish:	Shaft - matte black chromium plating; Top - chrome mesh
Male connector:	Neutrik 3 pin
Net weight (less cable):	220 grams (7.8 oz.)

## WIRING DIAGRAM



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

## FURNISHED ACCESSORIES

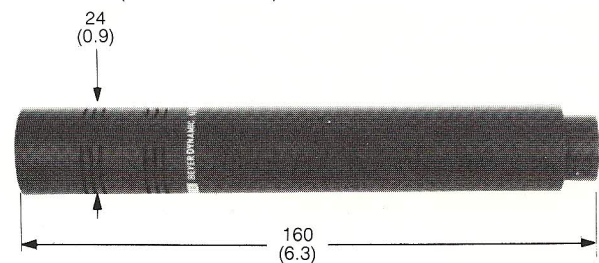
Carrying case:	Black leatherette foam lined
Mic clip:	MKV 8
Windscreen:	WS 101

## 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

## DIMENSIONS

In millimeters (inches in brackets)



## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a moving coil dynamic type with a frequency range of 40 - 18,000 Hz. The unit shall have a true hypercardioid polar characteristic. Attenuation at 120° shall exceed 20 dB. The microphone output shall be -57 dBm when 0 dBm  $\triangle$  1 mW/Pa respectively 1.2 mV/Pa. EIA sensitivity at 1,000 Hz shall be -150 dBm. The microphone shall have an integral humbucking coil to reduce magnetic hum susceptibility by better than 18 dB at 50 Hz. Electrical impedance shall be 200 ohms. The case shall be made of brass, finished in matte black chromium plating, with a chrome mesh top. The dimensions shall be: 6.3 in. (160 mm) overall length and 0.9 in. (24 mm) diameter. The microphone shall be available with a Neutrik 3 pin male connector or equivalent. The Beyer Dynamic model M 201 is specified.