

# M 99

Dynamic Microphone

Order # 445.394



## FEATURES

- Hypercardioid polar pattern
- Switchable presence accentuation and equalisation for bass drum
- Extremely linear frequency response
- Rugged construction
- Integrated elastic suspension

## APPLICATIONS

The M 99 is a dynamic moving coil microphone of studio quality. The tailored frequency response suits many applications from instrument miking to on-air broadcasting. The beyerdynamic TG-X technology used in the M 99 features a strong neodymium magnet system and a mass reduced special Mylar diaphragm to give the microphone a powerful reproduction with excellent transient characteristics.

The frequency response is extremely linear and guarantees audio quality which has until now, only been achieved by using high-quality condenser microphones.

The frequency select switch at the base of the microphone allows three settings of equalisation, linear and two optimised settings for vocals and instrument miking. A second switch is for presence accentuation. This allows further adjustment for close miking techniques or kick drum miking. The hypercardioid polar pattern helps eliminate feedback in live applications and allows a good separation between different instruments.

The microphone can operate at very high sound pressure levels without loss of sound quality and virtually no distortion.

The M 99's die cast casing is made of aircraft grade aluminium and finished with an attractive metallic varnish.

## SUPPLIED ACCESSORIES

EA 90 Elastic suspension . . . . . Order # 452.270  
ZKK 740-833 Case . . . . . Order # 504.580

## TECHNICAL SPECIFICATIONS

Transducer type . . . . . Dynamic  
Operating principle . . . . . Pressure gradient  
Frequency response . . . . . 30 - 18,000 Hz  
(refer to frequency responses)  
Polar pattern . . . . . Hypercardioid  
Open circuit voltage at 1 kHz . . . . . 3.0 mV/Pa / 2 mV/Pa  
Magnetic field suppression . . . . . > 20 dB at 50 Hz  
Nominal impedance . . . . . 280 Ω  
Load impedance . . . . . ≥ 1000 Ω  
Diaphragm . . . . . Hostaphan®  
Casing . . . . . Aluminium/die cast  
Connector . . . . . 3-pin XLR male  
Dimensions  
Length . . . . . 163 mm  
Shaft diameter . . . . . 23/25 mm  
Head diameter . . . . . 56 mm  
Weight (without cable) . . . . . 421 g

## OPTIONAL ACCESSORIES

BMC 05 FM BLK Standard microphone cable XLR-XLR, 5 m long . . . . Order # 434.787  
BMC 10 FM BLK Standard microphone cable XLR-XLR, 10 m long . . . . Order # 434.795  
GST 400 Microphone stand, 3/8", height 0.90 - 1.65 m, with G 400 boom . . . . . Order # 421.308  
GST 500 Microphone stand, 3/8", height 0.85 - 1.60 m, with telescopic G 500 boom . . . . Order # 406.252  
ST 99 Microphone stand for kick drum, small and heavy . . . . . Order # 471.917  
WS 740/834 Wind shield, charcoal-grey . . . . Order # 401.994

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## FREQUENCY RESPONSE & POLAR PATTERN

This polar pattern and frequency response curve (measuring tolerance  $\pm 2.5$  dB) correspond to a typical production sample for this microphone.

