



M 59

DYNAMIC MICROPHONE



beyerdynamic

FEATURES

- Hypercardioid polar pattern
- Fast transient response for increased sonic accuracy
- Tailored frequency response for rich, crisp sound
- Enhanced-Field Rare Earth Magnet for high output and sensitivity
- Low mass, large diaphragm
- Internal shockmount reduces handling noise
- Non-glare Nextel® finish

APPLICATIONS

The M 59 is a rugged, vocal quality dynamic microphone employing low mass, large diaphragm and enhanced-field magnet technology designed to withstand the critical demands of in-studio or on-location ENG/EFP speech and interview applications. The microphone's low mass, large diaphragm Macrolon element and hypercardioid polar pattern provides very fast transient response, high output, high sensitivity, with startlingly accurate reproduction of the sound source while also providing excellent off-axis rejection.

Each M 59 incorporates a sophisticated internal shock-mount isolation system designed to reduce stand, boom, or handheld noise and vibration.

Its durable construction and non-glare Nextel finish will provide consistent protection against the rigors of on-air and on-location ENG/EFP production applications. The M 59 also incorporates an internal multistage blast filter designed to reduce undesirable wind or pop noise. An optional WS 59 large cell windscreens is also available and recommended for on-air, voice-over and other close talking applications.

The M 59 is designed to meet the critical demands of studio on-the-air or studio voice-overs while also meeting the rigors of on-location ENG/EFP news. Due to its high gain-before-feedback the M 59 is ideal for lecterns or miking choirs or music groups.

The M 59 can be used on a stand, boom, gooseneck, or as a handheld microphone.

TECHNICAL SPECIFICATIONS

Transducer type	Dynamic
Operating principle	Pressure gradient
Frequency response	50 - 16,000 Hz
Polar pattern	Hypercardioid
Rear attenuation at 1 kHz	> 25 dB at 120°
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	3,0 mV/Pa \pm 53 dBV
Magnetic field suspension	> 20 dB \pm 50 Hz
Nominal impedance	200 Ω
Load impedance	\geq 1000 Ω
Diaphragm	Macrolon®
Case/finish	Aluminium
Connector	3-pin XLR
Dimensions	Length: 205 mm Shaft diameter: 24/32 mm Head diameter: 50.5 mm
Weight without cable	227 g

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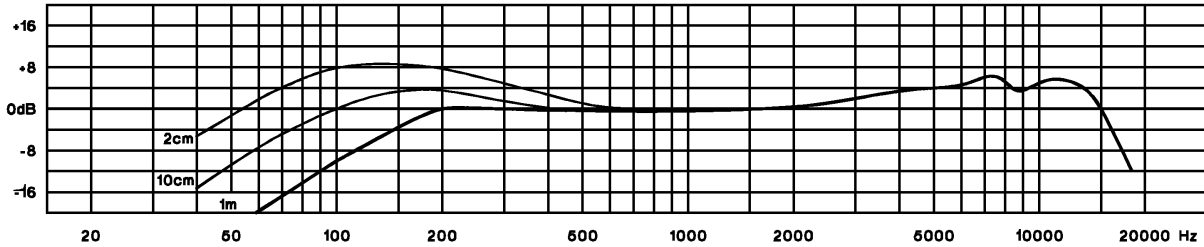
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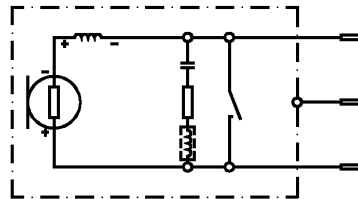
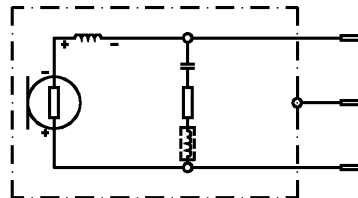
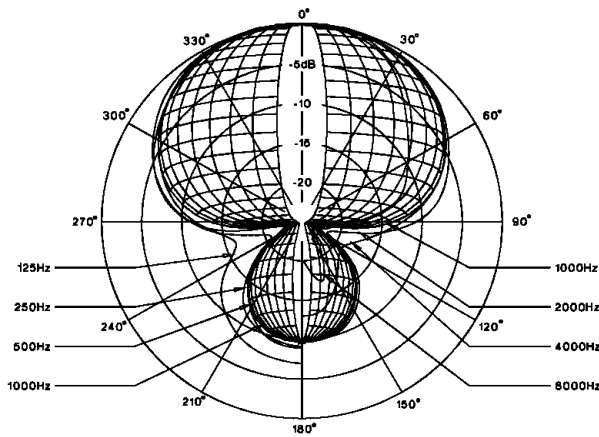
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FREQUENCY RESPONSE & POLAR PATTERN

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



WIRING DIAGRAM



VERSIONS

- M 59 Dynamic microphone, hypercardioid Order # 415.677
- M 59 S Dynamic microphone, hypercardioid, with ON/OFF-switch. Order # 415.669

SUPPLIED ACCESSORIES

- Black, padded protective zipper bag
- MKV 8 Microphone clamp with 3/8" internal thread, for shaft diameters of 22 - 32 mm Order # 407.216

OPTIONAL ACCESSORIES

- Highly flexible cables with industry standard jack and/or XLR connectors
- EA 19/25 Elastic suspension Order # 407.194
- 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
- PS 580 Popscreen, black Order # 417.793
- WS 59 Windscreen, charcoal-grey Order # 419.087

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