

M 59

Dynamic Microphone



FEATURES

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

VERSIONS

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

SUPPLIED ACCESSORIES

MKV 8	Microphone clamp with 3/8" internal thread, for shaft diameters of 22 - 32 mm.	Order # 407.216
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OPTIONAL ACCESSORIES

EA 19/25	Elastic suspension	Order # 407.194
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
SMC 05 FJ BLK	Standard microphone cable XLR-Jack, 5 m long	Order # 434.809
SMC 10 FJ BLK	Standard microphone cable XLR-Jack, 10 m long	Order # 434.817
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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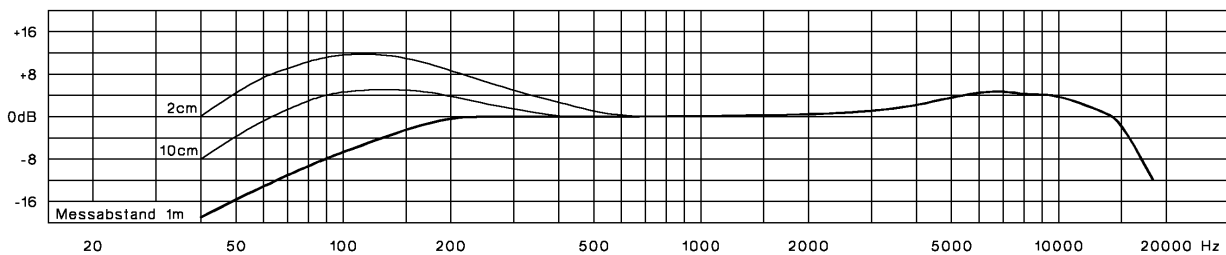
TECHNICAL SPECIFICATIONS

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 $\hat{=}$ 50 Hz
Nominal impedance	200 Ω
Load impedance	\geq 1000 Ω
Diaphragm	Macroton®
Case/finish	Aluminium
Connector	3-pin XLR male
Dimensions	Length: 205 mm Shaft diameter: 24/32 mm Head diameter: 50.5 mm
Weight without cable	227 g

FREQUENCY RESPONSE & POLAR PATTERN

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

Frequency response curve \pm 2.5 dB 0 dB = 3.0 mV/Pa M 59



WIRING DIAGRAM

