



MCE 81

CONDENSER MICROPHONE

beyerdynamic

FEATURES

- Cardioid polar pattern
- Built-in footfall filter
- Excellent volume before feedback and off-axis rejection
- Internal shock mount reduces handling noise and vibration
- Rugged construction
- 12 - 48 V phantom powering

APPLICATIONS

The MCE 81 has been specifically designed to satisfy the critical demands of high-quality sound reinforcement and vocal applications.

Its frequency response and cardioid polar pattern provide musicians and sound engineers with maximum vocal clarity, intelligibility with excellent gain-before-feedback.

The MCE 81's sonic quality makes it an ideal choice for vocal applications in the studio yet its rugged construction makes it worthy of handling the physical punishment encountered during on-stage performances.

The microphone's weight-balanced and slim design allow vocalists maximum comfort during lengthy handheld performances, while its internal shock mount system dramatically reduces unwanted handling noise.

TECHNICAL SPECIFICATIONS

Transducer type	Condenser (back electret)
Operating principle	Pressure gradient
Frequency response	50 - 18,000 Hz
Polar pattern	Cardioid
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	3.2 mV/Pa $\hat{=}$ -50 dBV
Nominal impedance	190 Ω
Load impedance	\geq 1000 Ω
Max. SPL at 1 kHz	138 dB
Signal-to-noise ratio rel. to 1 Pa	60 dB
A-weighted equivalent SPL	approx. 26 dB
Power supply	12 - 48 V phantom power
Current consumption	approx. 3 mA
Connection	3-pin XLR male
Dimensions	Length: 180 mm Shaft diameter: 23 mm Head diameter: 45 mm
Weight without cable	265 g

Germany

Theresienstr. 8
74072 Heilbronn
Tel. (0 71 31) 6 17-0
Fax (0 71 31) 6 17-224
E-mail: info@beyerdynamic.de
Internet: www.beyerdynamic.de

United States

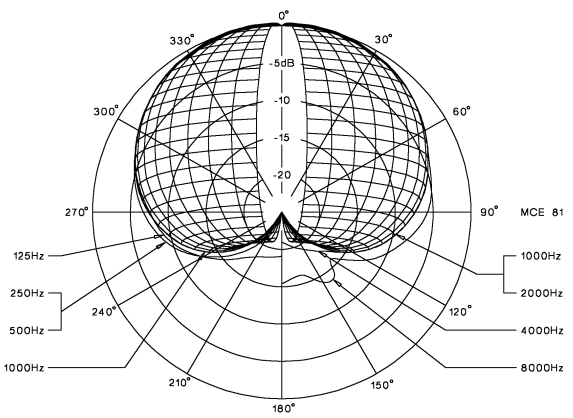
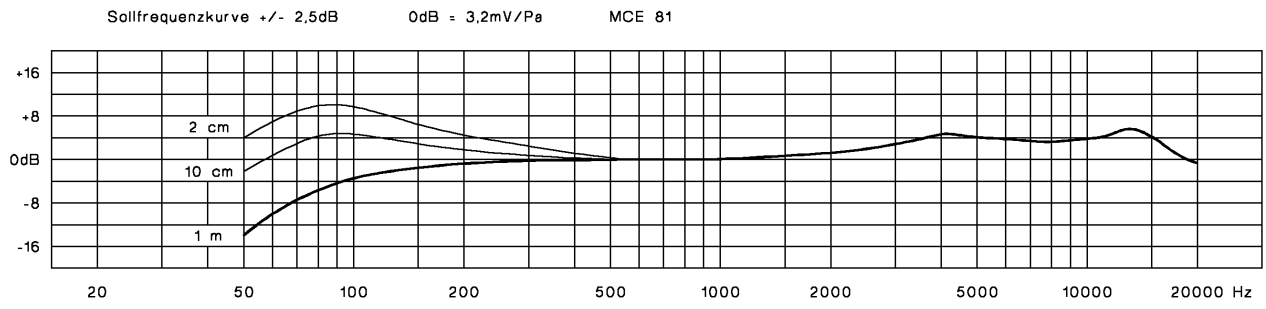
56 Central Ave.
Farmingdale, NY 11735
Tel. (631) 293-3200
Fax (631) 293-3288
E-mail: salesUSA@beyerdynamic.com
Internet: www.beyerdynamic.de

Great Britain

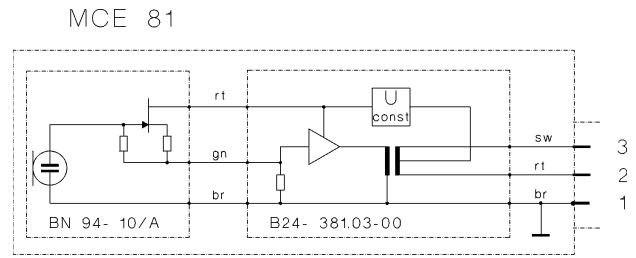
17 Albert Drive
Burgess Hill RH15 9TN
Tel. (01444) 258 258
Fax (01444) 258 444
E-mail: sales@beyerdynamic.co.uk
Internet: www.beyerdynamic.de

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

- MCE 81 N(C) Condenser microphone (back electret), cardioid Order # 403.636
- MCE 81 TG Condenser microphone (back electret), cardioid, TourGroup version Order # 443.514

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
- MKV 6 Microphone clamp (clothes peg style clip) for shaft diameters of 19 - 32 mm Order # 407.208
- 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

Photos are non-contractual. Contents subject to change without notice. Printed in Germany.