

MCD 100
MCD 101

(Cardioid) Digital Condenser
Microphone
(Omnidirectional) Digital Condenser
Microphone



Due to the unique feature of placing the Analogue/Digital Converter (ADC) immediately behind the capsule, the MCD 100/101 digital microphone represents the optimum conversion of an analog signal into the digital domain. Due to the built-in 24 bit converter, we are able to more accurately measure and reproduce the performance of the capsule. As a result of employing the most technologically advanced ADC with 24 bit resolution the MCD 100/101 achieves its exceptional dynamic range and linearity. The microphone features a standard AES/EBU output via a standard 3 pin XLR connector. In order to provide Digital Phantom Powering (DPP: 6 - 10 V, 150 mA) and to facilitate connection to a digital console, there is a range of separate power supplies (MPD, see accessories). For high SPL applications (140/150 dB SPL) a remote attenuator (-10/-20 dB) controlled from the DPP device has been provided. It is possible to use cable lengths of 300 m without loss of quality.

Features

- Digital signal processing within the microphone (24 bit ADC)
- Standard digital output signal conforming with AES 3-1992 (AES/EBU)
- Exceptional signal-to-noise ratio (>115 dBA)
- High SPL capability (150 dB SPL)
- Flawless reproduction of dynamic range and frequency response of the microphone capsule
- No signal degradation due to digital medium on very long cable runs (300 m)
- Cardioid polar pattern (MCD 100) / Omnidirectional polar pattern (MCD 101)

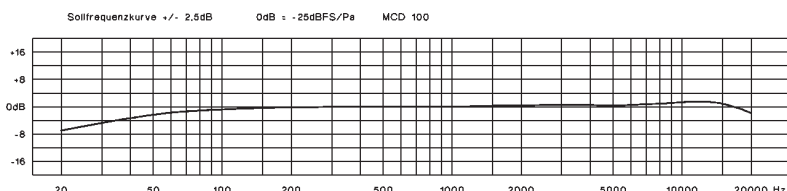
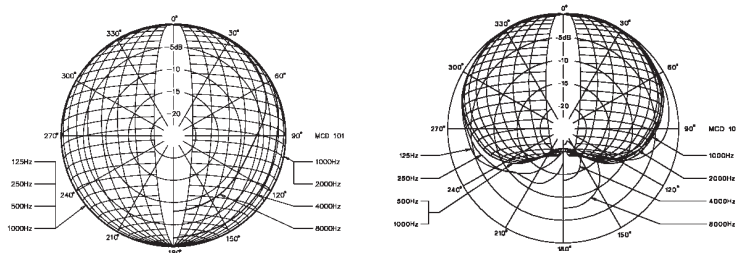
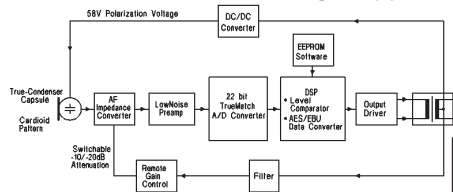
Applications

- Studio
- Live recording
- Choir recording
- Moderation



MPD 200

MCD 100



MCD 100 / MCD 101

Transducer type	Condenser
Operating principle	Pressure gradient
ADC-process	Delta/sigma 24 bit resolution (48 kHz sample rate)
Frequency response	20 - 20,000 Hz
Polar pattern	Cardioid (MCD 100) / Omnidirectional (MCD 101)
Rear attenuation	> 22 dB at 180° (1 kHz)
Open circuit voltage	-34.5 dBFS at 1 Pa, 1 kHz, (clipping at 0 dBFull Scale =130 dB SPL)
Dynamic range	113 dBCCIR , 115 dBA
Max. SPL (k < 0.5%)	130/140/150 dB SPL (0 dB/-10 dB/-20 dB attenuation)
Supply voltage	6 - 10 V (Digital Phantom Powering) acc. to AES 42
Current consumption	+150 mA
Microphone output	Digital signal according to AES 3-1992 (AES/EBU)
Connection	3-pin XLR male
Dimensions	Length: 190 mm Shaft diameter: 40 mm
Weight	305 g

Versions

- MCD 100 Digital condenser microphone, cardioid . . . Order # 448.648
- MCD 100 Set consisting of 1 x MCD 100, 1 x MPD 200 power supply unit and 1 x EA 37 elastic suspensions, with ZMK 6 case Order # 453.080
- MCD 100 Stereo Set consisting of 2 x MCD 100, 1 x MPD 200 power supply unit and 2 x EA 37 elastic suspensions, with ZMK 6 case Order # 453.099
- MCD 101 Digital condenser microphone, omnidirectional Order # 450.685

Supplied Accessories MCD 100 and MCD 101

- MKV 11 Microphone clamp for shaft diameter of 32 - 42 mm Order # 407.232
- ZKK 740-833 Case with ZMK 6 case Order # 504.580

Optional Accessories

- MPD 200 Digital Phantom Supply (Stereo) 2 MCD inputs, 1 Stereo AES/EBU output with synchronisation Order # 450.359
- EA 37 Elastic suspension Order # 452.955
- PS 740 Popscreen, black Order # 401.897
- WS 740/834 Windscreen, charcoal-grey Order # 401.994





MC 740

Transducer type	Condenser
Operating principle	Pressure gradient
Frequency response	20 - 20,000 Hz
Polar pattern	Omnidirectional, wide cardioid, cardioid, hypercardioid, figure eight
Open circuit voltage at 1 kHz	10 mV/Pa
Nominal impedance	150 Ω
Load impedance	> 1000 Ω
Max. SPL at 1 kHz	134 dB (with pre-attenuation 144 dB)
Signal-to-noise ratio rel. to 1 Pa	approx. 70 dB
A-weighted equivalent SPL	approx. 17 dB
Power supply	48 ± 4 V phantom power
Current consumption	1.4 mA
Connector	3-pin XLR
Dimensions	Length: 215 mm Shaft diameter: 37 mm Head diameter: 36 x 55 mm
Weight without cable	390 g

Supplied Accessories

MKV 11	Microphone clamp for shaft diameter of 32 - 42 mm	Order # 407.232
EA 37	Elastic suspension	Order # 452.955
ZKK 740-833	Case	Order # 504.580

Optional Accessories

PS 740	Popscreen, black	Order # 401.897
WS 740/834	Windscreens, charcoal-grey	Order # 401.994
MAV 802	Multi-purpose mounting for two microphones	Order # 453.323

MC 740

Condenser Microphone Order # 277.029

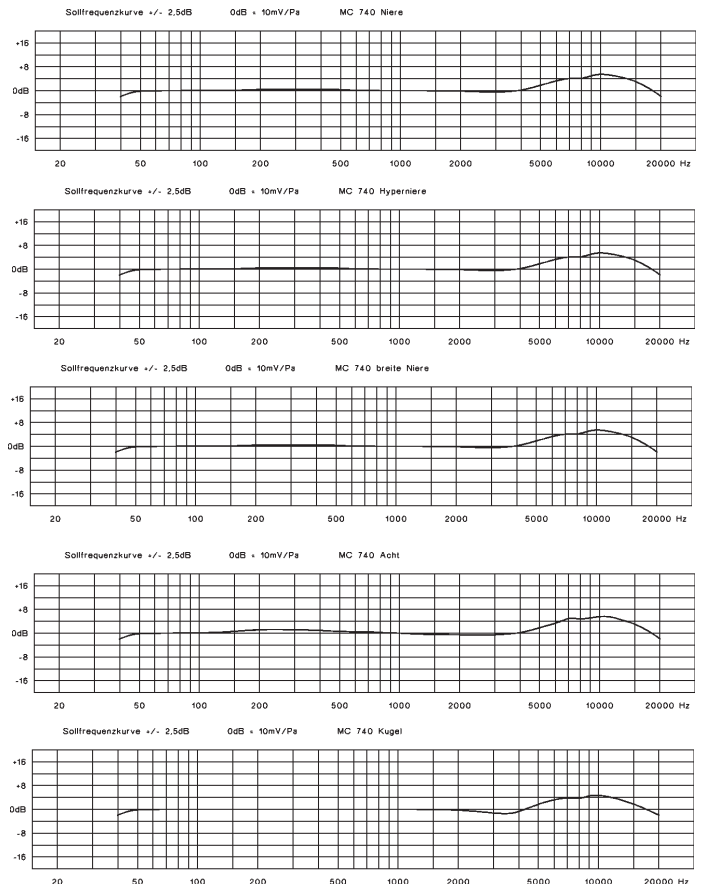
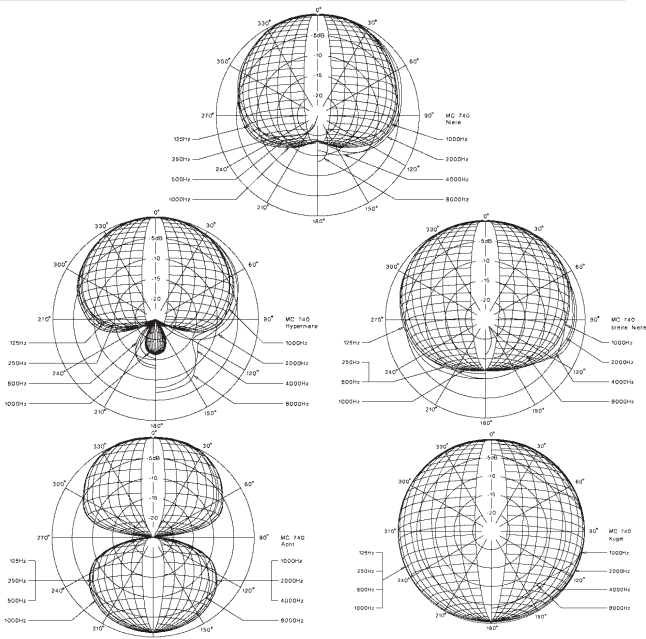
Due to 5 switchable polar patterns the MC 740 is a universal studio microphone. It has been designed without compromise to be able to capture every sound detail with absolute clarity and purity. Applications for the MC 740 include recording orchestras as a main microphone resulting in a superb transparent sound. Due to a switchable 2 position roll-off filter and a switchable pre-attenuation the MC 740 is also suitable for close miking of instruments.

Features

- Large diaphragm, gold vaporized double membrane
- Five selectable polar patterns
- Elastic transducer suspension system
- Switchable 10 dB attenuator pad and three position low frequency roll-off

Applications

- Studio
- Instruments





MC 833

Stereo Condenser Microphone Order # 427.411

The MC 833 is a general-purpose stereo condenser microphone. It offers without an additional matrix: true MS-recording, true XY-recording and mono recording. The microphone is equipped with three true condenser systems. The polar pattern of each cartridge is cardioid and independent of frequency.

The middle system supplies the mono-signal or the M-signal with MS stereophony. The system located to the left and right of the middle system are switched together to form a figure of eight polar pattern and supply the S-signal. At XY stereophony only the two side systems are used. They can be mechanically adjusted. Therefore, at XY recording the recording angle can be continuously varied over a large range.

Features

- True MS and XY capability without external matrix
- Wide range, natural frequency response
- Exceptional signal-to-noise ratio and high SPL capability
- Unique facility to mechanically vary position of three capsules

Applications

- Studio
- Miking choirs
- Live recording

MC 833

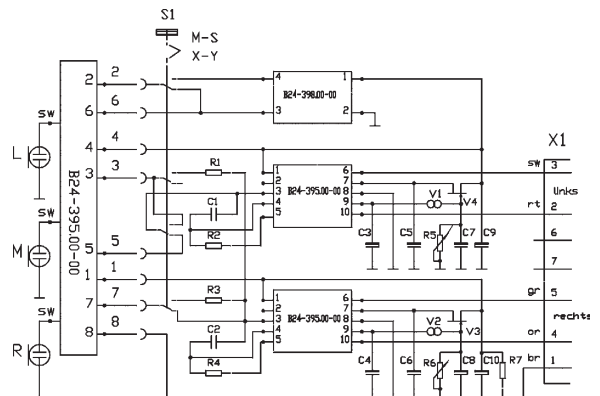
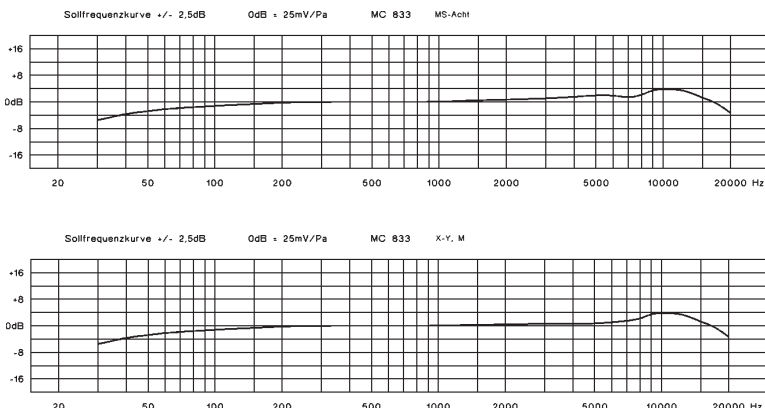
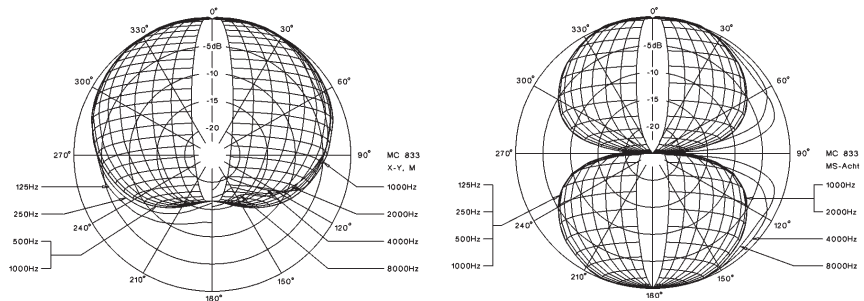
Transducer type	Condenser
Operating principle	Pressure gradient
Frequency response	20 - 20,000 Hz
Polar pattern	Cardioid
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	25 mV/Pa ± 2 dB
Nominal impedance	180 Ω
Load impedance	> 1000 Ω
Max. SPL at 1 kHz	128 dB at load impedance 1000 Ω 132 dB at load impedance 2700 Ω
Signal-to-noise ratio rel. to 1 Pa	70 dB
A-weighted equivalent SPL	17 dB
Power supply	11 - 52 V phantom power
Current consumption	approx. 4.2 mA
Connector	7-pin XLR male
Dimensions	Length: 237 mm Shaft diameter: 33 mm Head diameter: 80/36 mm
Weight without cable	280 g

Supplied Accessories

MVK N(C/7)	Extension cable XLR 7-pin, 7,5 m	Order # 413.941
B7 - 585	Cable for XY-Stereo (2 x XLR 3-pin)	Order # 358.959
B7 - 586	Cable for MS-Stereo (2 x XLR 5-pin)	Order # 358.940
EA 833	Elastic suspension	Order # 427.454
MKV 11	Microphone clamp for shaft diameter of 32 - 42 mm	Order # 407.232
ZKK 740-833	Case	Order # 504.580

Optional Accessories

KWS 833	Basket-type windscreen MC 833 (AF)	Order # 474.096
EAP 833	Elastic suspension (modular) for MC 833 incl. Pistolgrip	Order # 474.142





MC 834

Condenser Microphone Order # 441.228

The MC 834 condenser microphone features an extremely linear frequency curve and a frequency response of 20 to 20,000 Hz. Due to its cardioid polar pattern it has a high gain-before-feedback. Without pre-attenuation, the microphone has a SPL capability of 130 dB, with pre-attenuation up to 150 dB. Also it offers a dynamic that cannot be reached by any digital recording system. The microphone has a balanced output and can be powered by phantom power between 12 and 52 V. The MC 834 is a universal studio microphone to be used for digital recording, both lead and back up vocals, voice-overs, miking of pianos, strings and brass instruments. It is also suited to the home recording artist.

Features

- High SPL capability
- Switchable 10 and 20 dB attenuation
- 2 position low frequency roll-off
- Internal elastic suspension

Applications

- Studio
- Vocals
- Instruments
- Home recording
- DAT- and MD-recordings
- On-Air

MC 834

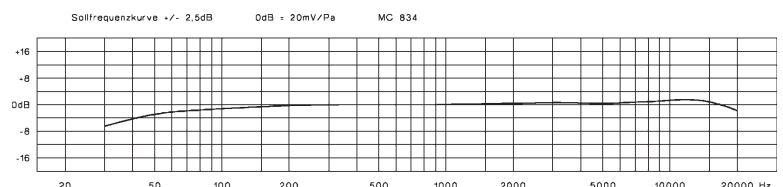
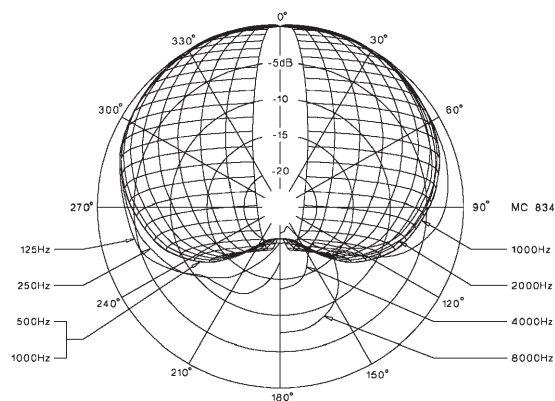
Transducer type	Condenser	
Operating principle	Pressure gradient	
Frequency response	20 - 20,000 Hz	
Polar pattern	Cardioid	
Open circuit voltage		
at 1 kHz (0 dB = 1 V/Pa)	20 mV/Pa ± 2 dB = -34 dBV	
Nominal impedance	180 Ω	
Load impedance	> 1000 Ω	
Max. SPL at 1 kHz	130 dB	
	140 dB with pre-attenuation -10 dB	
	150 dB with pre-attenuation -20 dB	
Signal to noise ratio rel. to 1 Pa	approx. 69 dB	
A-weighted equivalent SPL	approx. 18 dB	
Supply voltage	12 to 48 phantom power	
Current consumption	approx. 4 mA	
Connection	3-pin XLR male	
Dimensions	Length:	165 mm
	Shaft diameter:	37 mm
	Head diameter:	70 x 52 x 33 mm
Weight without cable	290 g	

Supplied Accessories

EA 37	Elastic suspension	Order # 452.955
ZKK 834-833	Case	Order # 393.371

Optional Accessories

MKV 11	Microphone clamp, for shaft diameter 32 - 42 mm	Order # 407.232
BMC 05 FM	Standard microphone cable XLR-XLR 5 m	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m	Order # 434.795
MSG 248.1	Mains power supply unit for two microphones, for balanced and unbalanced inputs	Order # 100.943
PS 740	Popscreen, black	Order # 401.897
WS 740/834	Windscreens, charcoal-grey	Order # 401.994
MAV 802	Multi-purpose mounting for two microphones	Order # 453.323



MC 930

Condenser Microphone
Stereo-Set

Order # 465.267
Order # 471.968

This high-quality, universal condenser microphone features an exceptional price/performance ratio. Critical features of the MC 930 are the wide frequency response of 40 - 20,000 Hz and a signal-to-noise ratio of 71 dB. The MC 930 is suitable for miking choirs, orchestras and solo instruments. Due to the switchable pre-attenuation of 15 dB it provides excellent performance at high sound pressure levels. The switchable bass roll-off filter with 6 dB/Octave at 250 Hz compensates for proximity effects. With the WS 101 wind screen the MC 930 can be used for stage vocal applications and speech. The MC 930 is phantom powered (11 - 52 V) and is suitable for live applications and installations. Due to its cardioid polar pattern, the MC 930 has a high-gain-before feedback and eliminates noise from the rear. It is not only a first-class tool for studios, but also for sound contracting systems, where excellent sound and maximum gain-before feedback is required. Exceptional XY stereo recordings may be achieved using two MC 930 microphones. Therefore the MC 930 is also available as a matched microphone pair with useful accessories in a rugged plastic case.



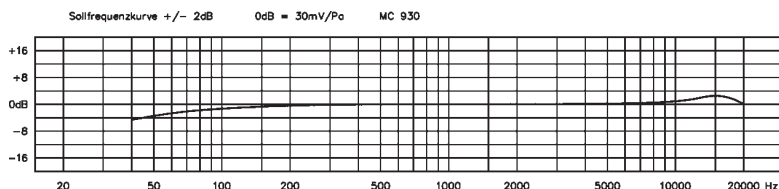
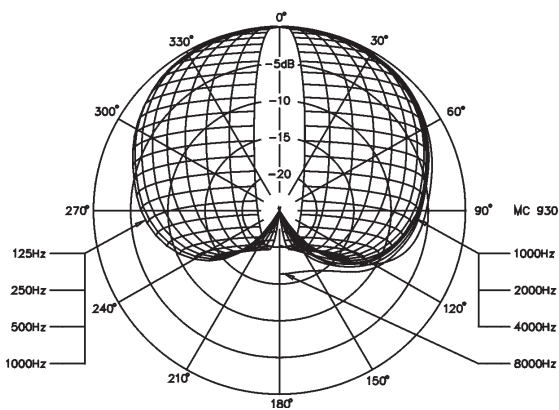
Features

- Cardioid polar pattern
- Switchable pre-attenuation -15 dB
- Switchable bass roll-off filter at 250 Hz
- Phantom power 11 - 52 V

Applications

- Vocals
- Choirs
- Overhead
- Instruments

Two MC 930 microphones used for XY stereo recording with MAV 800 and MAV 802



MC 930 Stereo-Set

MC 930

Transducer type	True condenser
Operating principle	Pressure gradient
Frequency response	40 - 20,000 Hz
Polar pattern	Cardioid
Open circuit voltage	
at 1 kHz (0 dB = 1 V/Pa)	30 mV/Pa
Nominal impedance	180 Ω
Load impedance	1000 Ω
Max. SPL at 1 kHz	125 dB (with pre-attenuation: 140 dB)
Signal-to-noise ratio	
rel. to 1 Pa	71 dB
A-weighted equivalent SPL	16 dB
Bass roll-off filter	switchable, 6 dB/octave at 250 Hz
Power supply	11 - 52 V phantom power
Current consumption	4.6 mA
Connection	3-pin XLR male
Dimensions	Length: 128 mm Diameter: 21 mm
Weight without cable	115 g

Supplied Accessories

MKV 9	Microphone clamp for shaft diameter of 19 - 21 mm	Order # 407.224
MC 930 Stereo-Set	consisting of 2 matched MC 930, 2x EA 19/25, 2x WS 53 and rugged plastic case	Order # 471.968

Optional Accessories

EA 19/25	Elastic suspension 19 - 25 mm, incl. MKV 11 microphone clamp	Order # 407.194
MKV 6	Microphone clip for shaft diameter 19 - 32 mm	Order # 407.208
WS 101	Wind screen, charcoal-grey	Order # 111.244
WS 53	Wind screen, small, charcoal-grey	Order # 436.607
MAV 800	Clip for hanging mounting of microphones	Order # 448.133
MAV 802	Multi-purpose mounting for two microphones	Order # 453.323



MCE 90

Transducer type	Condenser (back electret)	
Operating principle	Pressure gradient	
Frequency response	30 - 20,000 Hz	
Polar pattern	Cardioid	
Open circuit voltage at 1 kHz	10 mV/Pa = -40 dBV	
Nominal impedance	190 Ω	
Nominal load impedance	> 1000 Ω	
Max. SPL at 1 kHz	139 dB/154 dB	
S/N ratio rel. to 1 Pa	70 dB	
A-weighted equivalent SPL	approx. 16 dB	
Power supply	12 - 48 V phantom power	
Current consumption	approx. 3 mA	
Connection	3-pin XLR male	
Dimensions	Length:	160 mm
	Shaft diameter:	23/25 mm
	Head diameter:	56.8 mm
Weight without cable	375 g	

Supplied Accessories

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

Optional Accessories

BMC 05 FM	Standard microphone cable XLR-XLR, 5 m	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m	Order # 434.795
GST 400	Microphone stand, 3/8", height 0.90 - 1.65 m, with G 400 boom	Order # 421.294
ST 400	same as GST 400, but without G 400 boom	Order # 421.286
GST 500	Microphone stand, 3/8", height 0.85 - 1.60 m, with telescopic G 500 boom	Order # 406.252
ST 500	same as GST 500, but without G 500 boom	Order # 406.643

MCE 90

Condenser Microphone Order # 450.669

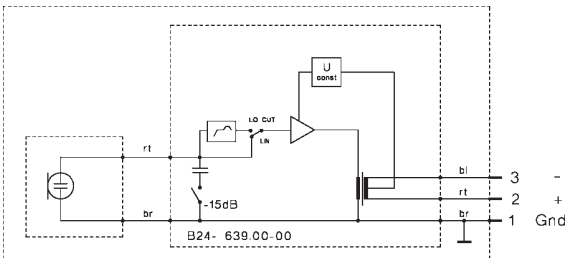
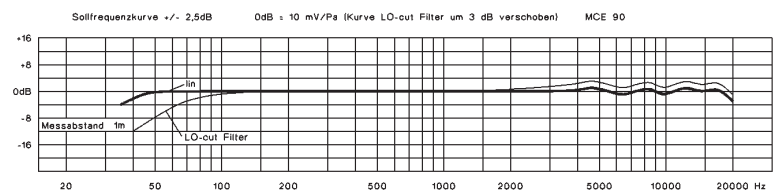
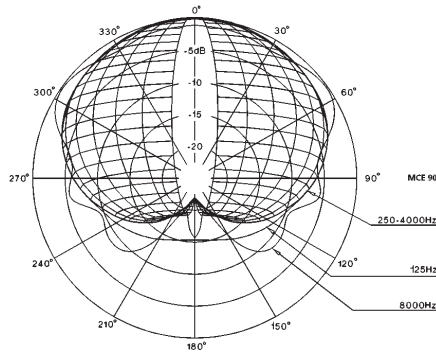
The MCE 90 is a microphone designed for applications in the studio and home recording. The very natural sound is accurately reproduced due to the MCE 90's linear frequency response. The MCE 90 is suitable for very high SPLs; without pre-attenuation up to 139 dB and with pre-attenuation up to 154 dB. If necessary, low frequency noise can be attenuated with the switchable LO-CUT filter. The MCE 90 can be powered from all microphone inputs supplying a phantom power between 12 and 48 volts.

Features

- Cardioid polar pattern
- Extremely low self-noise
- Suitable for very high SPLs (up to 154 dB)
- Switchable pre-attenuation and LO-CUT filter
- Phantom powering 12 - 48 V

Applications

- Studio
- Home recording
- Choirs
- Presentations
- Live recording



MCE 93 / MCE 94

Condenser Microphones
Order # 453.234 / Order # 453.242

The MCE 93 / MCE 94 are microphones designed for applications in the studio and on stage. Sound reproduction of the most subtle instruments is accurately reproduced due to the microphones high sensitivity, linear frequency response and low noise. The very natural sound of this microphone makes it ideal for classical or choral recordings on DAT machines. In live recordings the supplied EA 19/25 elasticated suspension eliminates unwanted footfall and mechanical noise. Due to an internal battery supply the MCE 94 can be used with any recording device or mixer regardless of the availability of phantom power, therefore making it ideal for portable applications.

Features

- Cardioid polar pattern
- Excellent bass response
- Rugged construction
- Phantom power 12 - 48 V (MCE 93)
- Battery or phantom powered (MCE 94)
- Battery check/power switch (MCE 94)



Applications

- Studio
- Home recording
- Choirs
- Instruments

MCE 93 / MCE 94

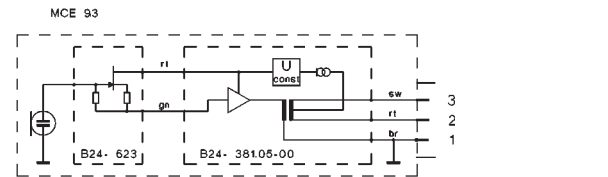
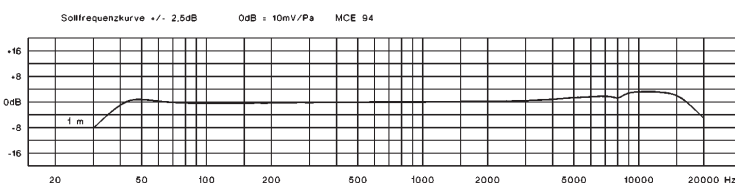
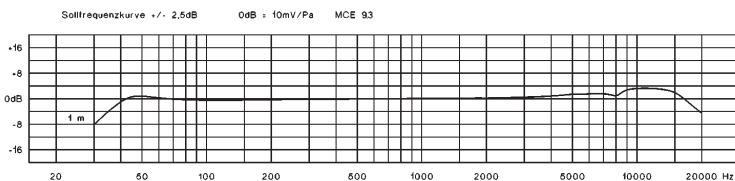
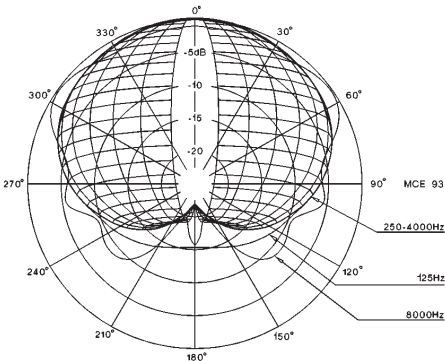
	MCE 93	MCE 94
Transducer type	Condenser (back electret)	Condenser (back electret)
Operating principle	Pressure gradient	Pressure gradient
Frequency response	30 - 20,000 Hz	30 - 20,000 Hz
Polar pattern	Cardioid	Cardioid
Open circuit voltage at 1 kHz	10 mV/Pa	10 mV/Pa
Nominal impedance	190 Ω	190 Ω
Load impedance	≥ 1000 Ω	≥ 1000 Ω
Max. SPL at 1 kHz	139 dB	139 dB
Signal-to-noise-ratio rel. to 1 Pa	70 dB	70 dB
A-weighted equivalent SPL	approx. 16 dB	approx. 16 dB
Supply voltage	12 - 48 V phantom power	phantom power or battery 1.5 V (type AA/R6)
Current consumption	approx. 3 mA	approx. 3.5 mA (phantom)
Connector	3-pin XLR male	3-pin XLR male
Length	150 mm	209 mm
Shaft diameter	25 mm	25 mm
Weight without cable	183 g	218 g

Supplied Accessory

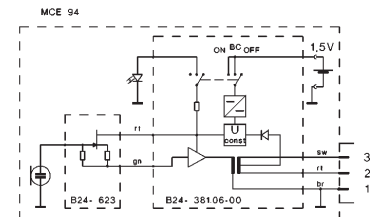
EA 19/25 Elastic suspension for shaft diameter of 19 - 25 mm, with MKV 11 microphone clamp Order # 407.194

Optional Accessories

MKV 8	Microphone clamp for shaft diameter of 22 - 32 mm	Order # 407.216
BMC 05 FM	Standard microphone cable XLR-XLR, 5 m	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m	Order # 434.795
GST 400	Microphone stand, 3/8", height 0.90 - 1.65 m, with G 400 boom	Order # 421.294
ST 400	same as GST 400, but without G 400 boom	Order # 421.286
GST 500	Microphone stand, 3/8", height 0.85 - 1.60 m, with telescopic G 500 boom	Order # 406.252
ST 500	same as GST 500, but without G 500 boom	Order # 406.643
WS 101	Windscreen, charcoal-grey	Order # 111.244
MAV 800	Clip for hanging mountin of microphones	Order # 448.133
MAV 802	Multi-purpose mounting for two microphones	Order # 453.323



rt: rot/red/rouge
sw: schwarz/black/noir
br: braun/brown/brun
gn: grün/green/vert



rt: rot/red/rouge
sw: schwarz/black/noir
br: braun/brown/brun
gn: grün/green/vert

M 99

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 (refer to frequency responses)	
Magnetic field suppression	> 20 dB at 50 Hz	
Nominal impedance	280 Ω	
Load impedance	> 1000 Ω	
Diaphragm	Hostaphan®	
Casing	Aluminium	
Connector	3-pin XLR male	
Dimensions	Length:	163 mm
	Shaft diameter:	23/25 mm
	Head diameter:	56 mm
Weight without cable	421 g	

Supplied Accessories

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

Optional Accessories

BMC 05 FM	Standard microphone cable XLR-XLR, 5 m	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m	Order # 434.795
GST 400	Microphone stand, 3/8", height 0.90 - 1.65 m, with G 400 boom	Order # 421.294
GST 500	Microphone stand, 3/8", height 0.85 - 1.6 m, with telescopic G 500 boom	Order # 406.252
ST 99	Microphone stand for kick drum, small and heavy	Order # 471.917



M 99

Dynamic Microphone Order # 445.394

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.

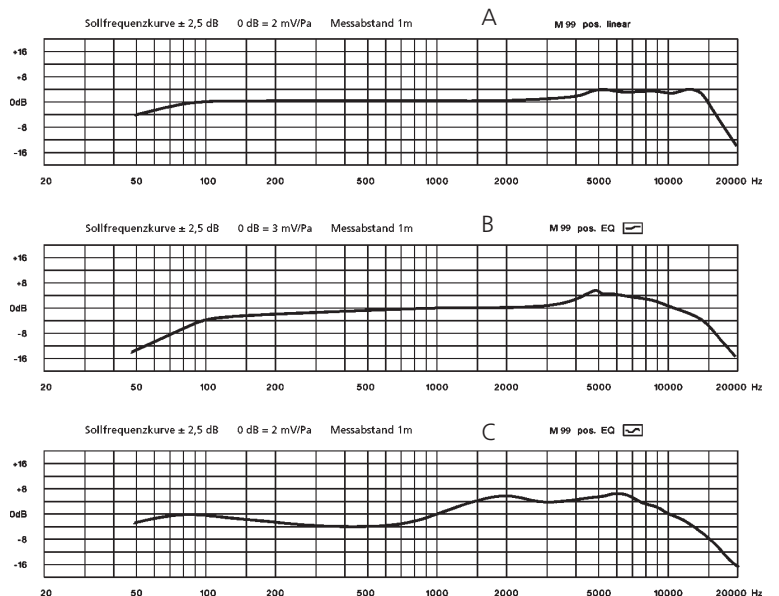
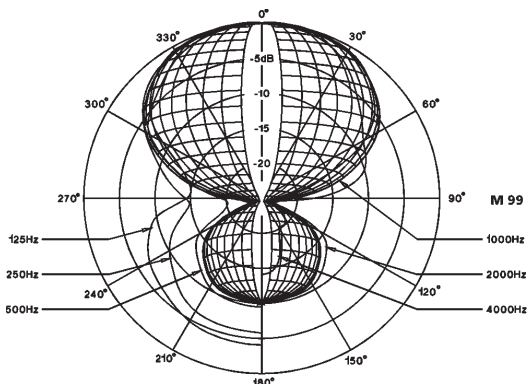
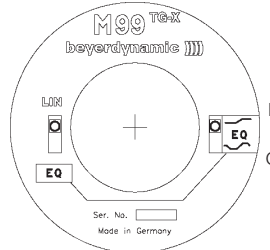
The M 99's die cast casing is made of aircraft grade aluminium and finished with an attractive metallic varnish.

Features

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

Applications

- Vocals
- Radio announcers
- Instruments
- Kick drum



MCE 530

Condenser Microphone Order # 466.387
Stereo-Set Order # 471.941

The MCE 530 is a cardioid condenser microphone suitable for both project studios and semiprofessionals. It consists of a lightweight, but rugged, plastic casing strengthened with carbon fibres. Its small and short design permits flexible and unobtrusive positioning. The microphone is powered by phantom power between 11 and 48 V. The frequency response of the MCE 530 has been optimised for miking instruments and choirs. Using the WS 53 wind screen the MCE 530 is an ideal speaker's microphone in churches and halls. Exceptional XY stereo recordings may be achieved using two MCE 530 microphones with the adjustable MAV 802 mounting for two microphones. Therefore the MCE 530 is also available as a matched microphone pair with useful accessories in a rugged plastic case.



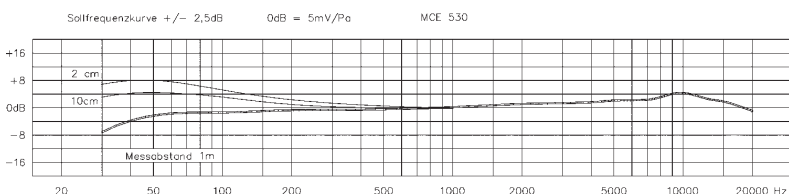
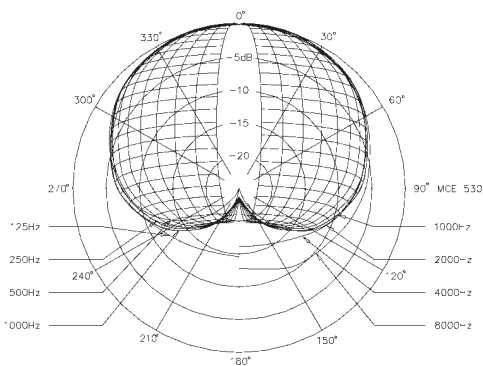
Features

- Cardioid polar pattern
- High SPL capability
- Slim, unobtrusive design
- Plastic casing strengthened with carbon fibres

Applications

- Instruments
- Choirs

Two MCE 530 microphones used for XY stereo recording with MAV 800 and MAV 802



MCE 530 Stereo-Set

MCE 530

(measured at 48 V phantom powering)

Transducer type	Condenser (back electret)
Operating principle	Pressure gradient
Frequency response	30 - 20,000 Hz
Polar pattern	Cardioid
Open circuit voltage	5 mV/Pa = -46 dBV
Nominal impedance	200 Ω
Load impedance	> 1 kΩ
Max. SPL at f = 1 kHz	136 dB (at 48 V phantom power) 126 dB (at 12 V phantom power)
S/N ratio	64 dB
A-weighted equivalent SPL	22 dB
Supply voltage	12 - 48 V phantom power
Current consumption	< 6 mA
Connection	3-pin XLR plug, male
Weight	36 g

Supplied Accessories

MKV 109	Microphone clamp for shaft diameter of 19 - 21 mm	Order # 466.824
MCE 530 Stereo-Set	consisting of 2 matched MCE 530, 2x MKV 109, 2x WS 53, stereo bracket and rugged plastic case	Order # 471.941

Optional Accessories

WS 53	Wind screen for MCE 530, charcoal-grey	Order # 436.607
MAV 800	Clip for hanging mounting of microphones	Order # 448.133
MAV 802	Multi-purpose mounting for two microphones	Order # 453.323
EA 19/25	Elastic suspension 19 - 25 mm, incl. MKV 11 microphone clamp	Order # 407.194
BMC 05 FM	Standard microphone cable XLR-XLR, 5 m	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m	Order # 434.795

M 130

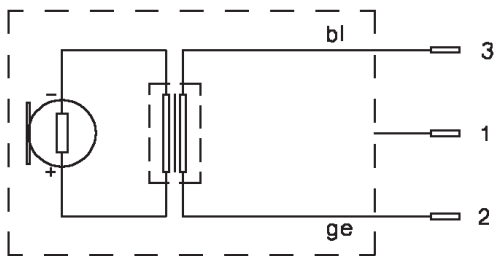
Transducer type	Dynamic
Operating principle	Pressure gradient
Frequency response	40 - 18,000 Hz
Polar pattern	Figure-eight
Rear attenuation at 1 kHz	> 25 dB at 110°
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	1.0 mV/Pa = -60 dBV
Nominal impedance	200 Ω
Load impedance	≥ 1000 Ω
Diaphragm	Pure aluminium
Case/finish	Brass
Connector	3-pin XLR male
Dimensions	Length: 128 mm
	Shaft diameter: 23 mm
	Head diameter: 38.5 mm
Weight without cable	150 g

Supplied Accessories

MKV 8	Microphone clamp for shaft diameters of 22 - 32 mm	Order # 407.216
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Optional Accessories

BMC 05 FM	Standard microphone cable XLR-XLR, 5 m	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m	Order # 434.795
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
PS 260	Popscreen, charcoal-grey	Order # 133.604
WS 260	Windscreens, charcoal-grey	Order # 111.309
EA 19/25	Elastic suspension for shaft 19 - 25 mm, incl. clamp MKV 11	Order # 407.194



M 130

Dynamic Microphone Order # 129.534

beyerdynamic is one of few microphone manufacturers world-wide that still produce ribbon microphones. One of them is the legendary M 130.

The M 130's unique double ribbon element has a superb transient response, creating a highly detailed sound with unequalled accuracy and transparency. The bidirectional figure eight polar pattern effectively suppresses unwanted interference from the sides.

The M 130's balanced, uncoloured sound handles a wide variety of applications. In conjunction with the hypercardioid M 160, the M 130 is ideal for creating an authentic stereo image through the use of the M-S (Mid-Side) technique.

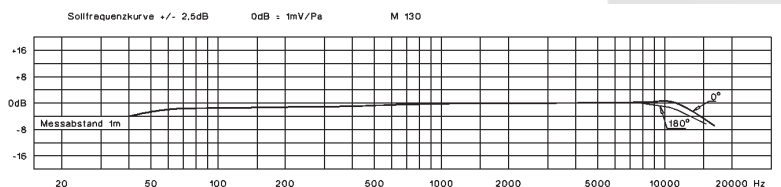
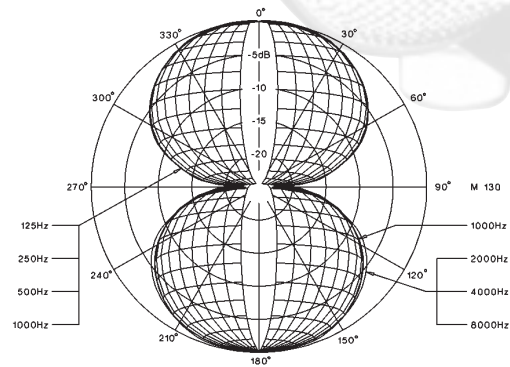
The M 130 gives excellent results when the Mid-Side technique is used to record or broadcast a true stereo image. Its rugged design handles the demands of remote recording/broadcast sessions as easily as those of the studio. Alone, the M 130 allows the recording of background audience noise and concert hall "ambience" without unwanted resonances. In the recording studio it is effective with backing vocal groups, percussion and mounted toms. The M 130's crisply articulated, uncoloured sound is well suited to such demanding audiophile applications as digital and direct-to-disc recording.

Features

- Double ribbon microphone
- Consistent figure-eight polar pattern
- Superb transient response
- Compact and rugged design
- Warm and natural sound

Applications

- Authentic recordings
- Overhead
- MS-stereophony with M 160



M 160

Dynamic Microphone Order # 100.668

beyerdynamic is one of few microphone manufacturers world-wide that still produce ribbon microphones. A classic one is the M 160, a dynamic double ribbon microphone.

Featuring a hypercardioid polar pattern with a noise attenuation of 25 dB at 110°, the M 160 is an outstanding microphone which is very effective for all types of remote and in-studio voice reproduction. In the recording studio, the M 160 is recommended for miking string instruments such as violins, violas, cellos and for pianos, saxophones as well as for hi-hat, and toms.

The non-glare black surface of the M 160 and its small dimension allow the unobtrusive use in TV or film studios. In conjunction with the M 130 dynamic double ribbon microphone the M 160 is ideal for stereo recordings in MS technique.

Features

- Unique double ribbon microphone transducer
- Hypercardioid polar pattern
- Extended frequency response
- Excellent transparency and transient response
- Compact and rugged design
- Warm and natural sound

Applications

- Instrumental miking such as saxophone
- Miking of drums (toms, hi-hat)
- MS-stereophony with M 130



M 160

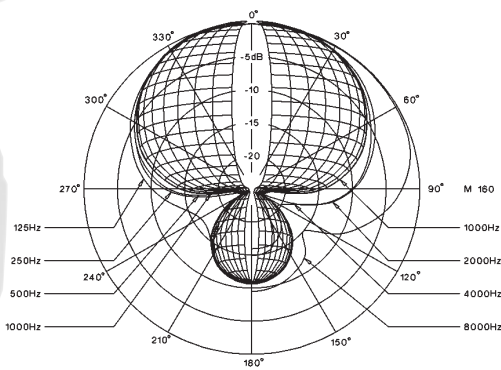
Transducer type	Dynamic
Operating principle	Pressure gradient
Frequency response	40 - 18,000 Hz
Polar pattern	Hypercardioid
Rear attenuation at 1 kHz	> 25 dB at 110°
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	1.0 mV/Pa = -60 dBV
Nominal impedance	200 Ω
Load impedance	≥ 1000 Ω
Diaphragm	Pure aluminium
Case/finish	Brass
Connector	3-pin XLR male
Dimensions	Length: 156 mm
	Shaft diameter: 23 mm
	Head diameter: 38 mm
Weight without cable	156 g

Supplied Accessories

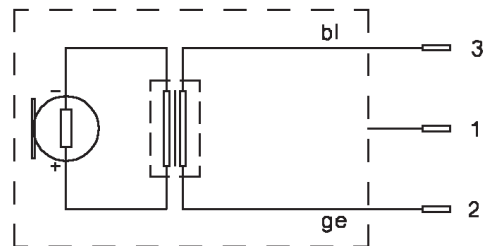
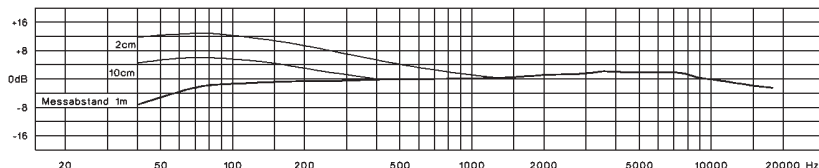
MKV 8	Microphone clamp for shaft diameters of 22 - 32 mm	Order # 407.216
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Optional Accessories

BMC 05 FM	Standard microphone cable XLR-XLR, 5 m	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m	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
PS 260	Popscreen, charcoal-grey	Order # 133.604
WS 260	Windscreens, charcoal-grey	Order # 111.309
EA 19/25	Elastic suspension for shaft 19 - 25 mm, incl. clamp MKV 11	Order # 407.194



Sollfrequenzkurve +/- 2,5dB OdB : 1.0mV/Pa



M 260

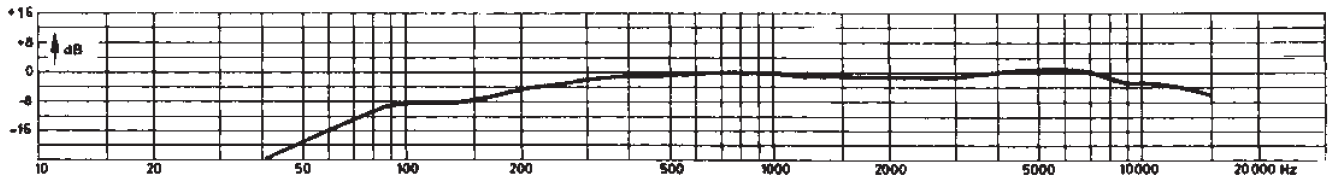
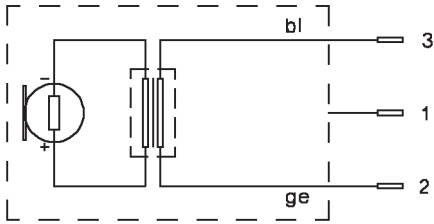
Transducer type	Dynamic
Operating principle	Pressure gradient
Frequency response	100 - 18,000 Hz (distance: 1 m) 40 - 18,000 Hz (distance: 2 cm)
Polar pattern	Hypercardioid
Rear attenuation at 1 kHz	> 20 dB at 115°
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	1.2 mV/Pa = -58 dBV
Nominal impedance	200 Ω
Load impedance	≥ 1000 Ω
Diaphragm	Pure aluminium
Case/finish	Brass
Connector	3-pin XLR male
Dimensions	Length: 163 mm Shaft diameter: 24 mm Head diameter: 43.5 mm
Weight without cable	approx. 230 g

Supplied Accessories

MKV 8	Microphone clamp for shaft diameters of 22 - 32 mm	Order # 407.216
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Optional Accessories

BMC 05 FM	Standard microphone cable XLR-XLR, 5 m	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m	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
PS 260	Popscreen, black	Order # 133.604
WS 260	Windscreen, charcoal-grey	Order # 111.309



M 260

Dynamic Microphone Order # 127.329

The M 260 is used for vocals and miking instruments at broadcast, recording and film studios. Its flat frequency response and natural, warm "ribbon" sonic profile make it a highly effective element of the digital recording process.

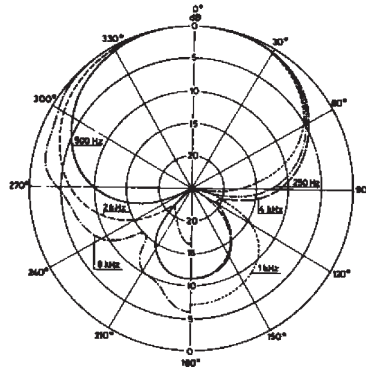
The hypercardioid polar pattern provides an extremely high gain before feedback and elimination of lateral noise (maximum at 115°). The M 260 is equipped with a built-in high pass filter which compensates the close miking effect, when the mic is applied very close to an instrument. The microphone also features a high insensitivity towards magnetic stray fields and extreme temperatures. The rugged grille protects the microphone system against accidental hits and kicks.

Features

- Ribbon transducer performance in a rugged, versatile configuration
- Hypercardioid polar pattern
- Extremely high gain before feedback
- Fast, transient response
- Wide, flat frequency response
- Rugged metal casing

Applications

- Vocals
- Instrumental miking
- Speech





Opus 51

Acoustical Boundary Condenser Microphone Order # 455.334

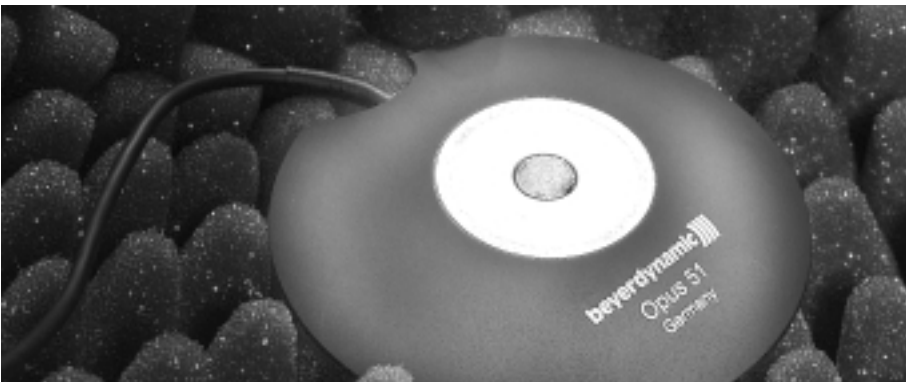
The Opus 51 is suitable for studio and stage applications such as miking instruments and is particular benefit when used upright or for grand pianos where the microphone can be placed internally. The Opus 51 can also be used within a round-table discussions system as well as stage and film applications for ambience recording. The half-spherical polar pattern of the Opus 51 has a very wide and even pickup angle and is suitable for miking large sound sources simplifying the choice of microphone as it is not dependent on the distance to the sound source.

Features

- Semi-spherical polar pattern
- Linear frequency response
- Small dimensions
- Battery or phantom powering
- Step-proof

Applications

- Grand piano
- Piano
- Kick Drum



Opus 51

measured with CV 3 preamp (3-pin connection)

Transducer type Condenser (back electret)

Operating principle Pressure

Frequency response 30 - 20,000 Hz

Polar pattern Semi-spherical

Open circuit voltage at 1 kHz 7 mV/Pa

Nominal impedance 250 Ω

Load impedance > 1 k Ω

Max. SPL at 1 kHz, $k \leq 10\%$ approx. 131 dB

S/N ratio rel. to 1 Pa approx. 60 dB

A-weighted equivalent SPL approx. 26 dB

Power supply 11 - 52 V phantom power

Power consumption 3.6 mA

Connection 4-pin LEMO-plug

Dimensions Diameter: 70 mm
Height: 10.5 mm

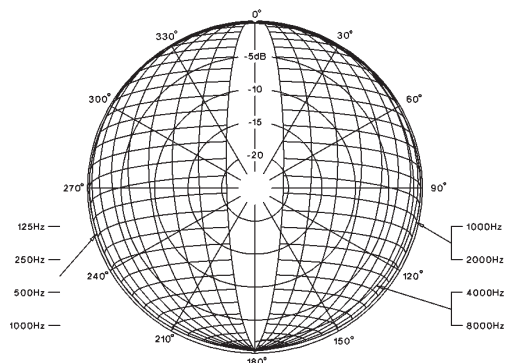
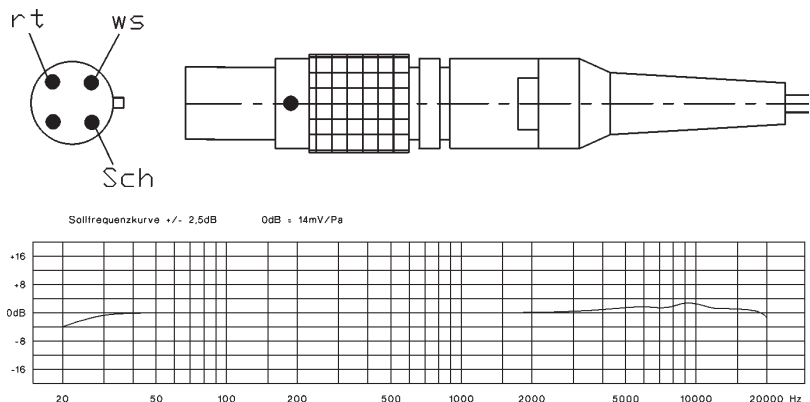
Weight 85 g

Supplied Accessory

CV 3 Pre amplifier for Phantom Power Order # 466.891

Optional Accessory

ZCV Battery compartment for CV 3 Order # 451.096





M 201 TG

Transducer type	Dynamic
Operating principle	Pressure gradient
Frequency response	40 - 18,000 Hz
Polar pattern	Hypercardioid
Rear attenuation at 1 kHz	> 20 dB at 120°
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	1.2 mV/Pa = -58 dBV
Magnetic field suspension	> 18 dB at 50 Hz
Nominal impedance	200 Ω
Load impedance	> 1000 Ω
Diaphragm	Hostaphan®
Case/finish	Brass
Connector	3-pin XLR male
Dimensions	Length: 160 mm
	Shaft diameter: 24 mm
	Head diameter: 24 mm
Weight without cable	220 g

Supplied Accessories

MKV 8	Microphone clamp for shaft diameter of 22 - 32 mm	Order # 407.216
WS 101	Wind screen, charcoal-grey	Order # 111.244

Optional Accessories

BMC 05 FM	Standard microphone cable XLR-XLR, 5 m	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m	Order # 434.795
MKV 6	Microphone clip for shaft diameter 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
ST 300	Desktop stand, 3/8"	Order # 432.814
EA 19/25	Elastic suspension 19 - 25 mm, incl. MKV 11 microphone clamp	Order # 407.194

M 201 TG

Dynamic Microphone Order # 406.910

The M 201 TG'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 makes the M 201 TG especially effective for recording and reinforcing snare drums, hi-hats, rack toms and percussion. It also works well with banjos and acoustic guitars.

Features

- Hypercardioid polar pattern
- Clarity, neutrality and superior intelligibility
- Rugged construction
- Integrated hum-buck coil

Applications

- Snare
- Hi-Hat
- Stand tom
- Overhead
- Piano, grand piano
- Acoustical guitar
- String instruments
- Interviewing



M 201

