

STUDIO CONDENSER MICROPHONES MCM System

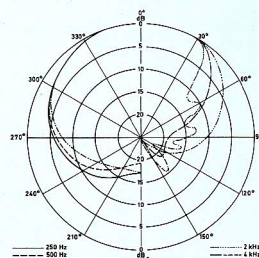
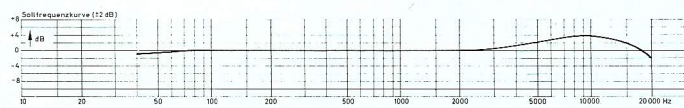
CK 706

MC 716 (CK 706 + CV 710)

MC 726 (CK 706 + CV 720)



Studio-quality directional condenser microphone. Cardioid/lobe directional pattern. Short shotgun microphone. Cardioid directional pattern for frequencies below 2000 Hz, lobe directional pattern for higher frequencies. As a result, disturbing sounds will be effectively masked also in the case of larger pickup distances. For short pickup distances the directional waveguide coupler prevents the close-talking effect normally occurring with directional microphones. Suited for soloist performances as well as for OB pickup. In the latter case we recommend the use of a windscreen. (WS 716 or KWS 726)



Technical specifications

Transducer type:	Condenser
Frequency response:	40 - 20 000 Hz
Polar pattern:	Cardioid/Lobe
Attenuation at 180°, 1 kHz:	> 20 dB
Open circuit voltage at 1 kHz:	10 mV/Pa
Output level:	- 39 dB (0 dB Δ 1 mW/Pa)
EIA G_m output:	- 132 dB (0 dB Δ 1 mW/2 \cdot 10 ⁻⁵ Pa)
Nominal output impedance:	200 Ω
Load impedance:	\geq 1000 Ω

	MC 716	MC 726
Max. SPL for 0.5% THD:	120 dB	120 dB
with pre-attenuation:	130 dB	130 dB
Weighted noise voltage:	3.6 μ V	2.96 μ V
Signal-to-noise ratio:	69 dB	71 dB
"A" weighted equivalent SPL:	18 dB	16 dB
Temperature range:	-10°C ... +70°C	

Dimensions

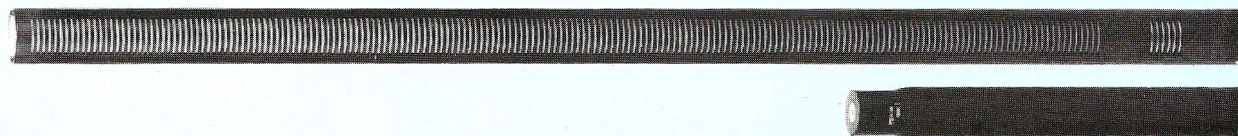
Length:	284 mm
Shaft diameter:	19.2 mm
Head diameter:	19.6 mm
Head length:	164 mm
Weight:	approx. 185 g

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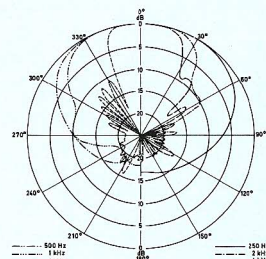
CK 707

MC 717 (CK 707 + CV 710)

MC 727 (CK 707 + CV 720)



Studio-quality directional condenser microphone. Lobe characteristic. Long shotgun microphone for extended pickup distance. Ambient noise is better masked by its lobe characteristic than is the case for other microphones. This is why it is preferably used in applications such as film and television productions where the microphone is not wanted in the picture. For recordings on location or fast movement of the microphone we recommend the use of a windscreen. (WS 717 or KWS 727)



Technical specifications

Transducer type:	Condenser
Frequency response:	40 - 20 000 Hz
Polar pattern:	Lobe
Attenuation at 180°, 1 kHz:	> 20 dB
Open circuit voltage at 1 kHz:	10 mV/Pa
Output level:	- 39 dB (0 dB Δ 1 mW/Pa)
EIA G_m output:	- 132 dB (0 dB Δ 1 mW/2 \cdot 10 ⁻⁵ Pa)
Nominal output impedance:	200 Ω
Load impedance:	\geq 1000 Ω

	MC 717	MC 727
Max. SPL for 0.5% THD:	120 dB	120 dB
with pre-attenuation:	130 dB	130 dB
Weighted noise voltage:	3.6 μ V	2.96 μ V
Signal-to-noise ratio:	69 dB	71 dB
"A" weighted equivalent SPL:	18 dB	16 dB
Temperature range:	-10°C ... +70°C	

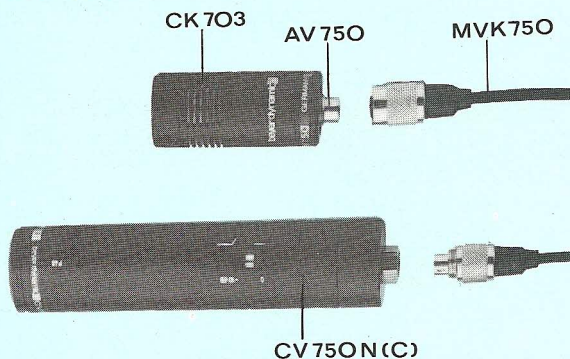
Dimensions

Length:	554 mm
Shaft diameter:	19.2 mm
Head diameter:	19.6 mm
Head length:	434 mm
Weight:	approx. 340 g

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STUDIO CONDENSER MICROPHONES MCM System

AV 750 CV 750



For special fields of application we recommend the remotely installable amplifier module **CV 750 N (C)**. In this case the capsules CK 701 – CK 708 are converted by means of the active adapter **AV 750** to a low-impedance unit which can be connected to the amplifier module via a cable **MVK 750** of basically any length. The amplifier module CV 750 features an XLR connector and can be interfaced to any 48 V phantom power source in the usual manner. In this way it is possible, for example, to inconspicuously arrange microphone heads in stage sceneries. As is the case for amplifier handles CV 710 and CV 720, the amplifier module has a built-in 10 dB attenuator plus a permanently installed footfall sound filter. Frequencies below 200 Hz can be further lowered by 6 dB/octave with a switch-controlled filter.

Technical specifications

Amplifier module CV 750 N (C)

Supply voltage:	48 ± 4 V (Phantom)
Current consumption:	0.6 mA
Voltage gain:	1.12
with 10 dB attenuation:	0.35
Frequency response:	40 - 20 000 Hz ± 0.5 dB
Nominal impedance:	150 Ω
Rated load impedance:	1000 Ω
Max. output voltage at f = 1 kHz, R _L = 1k Ω and THD ≤ 0.5%:	900 mV
Noise voltage (weighted):	3.2 μVs
Phase shift between input and output:	180°

Dimensions

Length:	135 mm
Diameter:	25 mm
Weight:	170 g

Adapter module AV 750

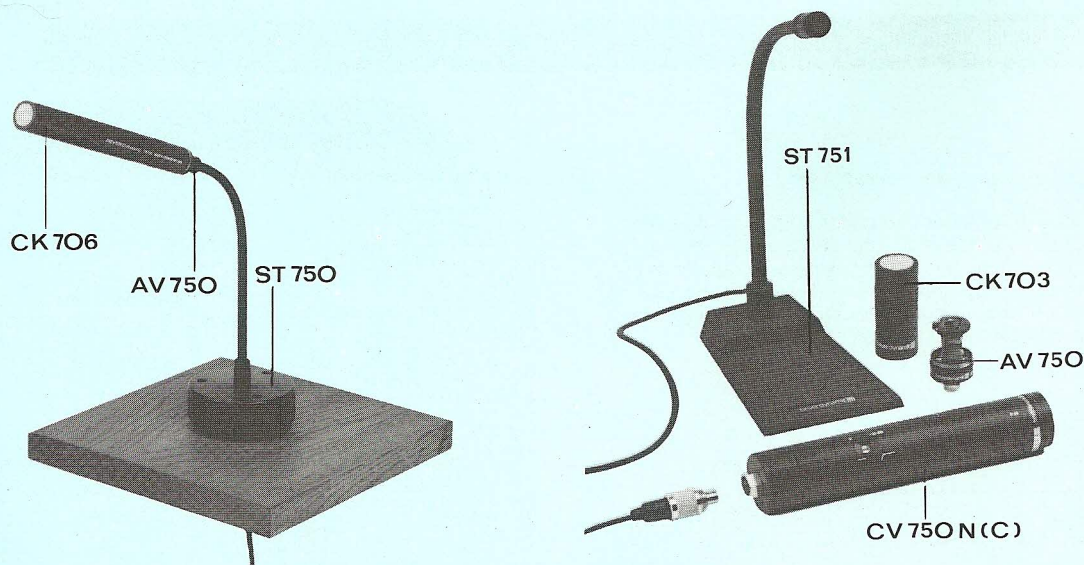
Supply voltage:	from +10 V to +45 V (on pin 1)
Current feed:	0.65 mA
Voltage gain:	0.85
Frequency response:	40 - 20 000 Hz ± 0.5 dB
Nominal impedance:	1kΩ
Rated load impedance:	≥ 100 kΩ
Max. output voltage at f = 1 kHz, R _L = 100 kΩ and THD = 0.5%:	3 V
Noise voltage (weighted):	3.8 μVs
Phase shift between input and output:	0°
Amplifier output:	asymmetrical (2: ground, 3: AF)

Dimensions

Length:	32 mm
Diameter:	19 mm
Weight:	16 g

ST 750 ST 751 ST 752

The capsule modules CK 701 – CK 708 (except CK 707) together with the adapter module AV 750 can also be used with the table stands ST 750, ST 751 or ST 752 respectively. Particularly interesting for the installation on speaker's desks is the stand ST 750 which is insulated against solid-borne noise. The supporting tube, rigidly mounted on the cast-iron base, is approximately 170 mm high; the 3 m connecting cable can be run downward through the desk below where the corresponding amplifier CV 750 N (C) can be mounted. If less stringent demands are imposed with respect to the suppression of solid-borne noise, the more simple desk stand ST 751 may also be used. If different speaking angles are required, the ST 752 should be used which is identical to the model ST 751 except that the support tube can be tilted by ±30°.



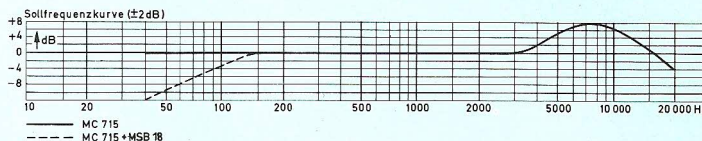
STUDIO-QUALITY CONDENSER MICROPHONES

MC 715



Clip-on condenser microphone.

High-quality clip-on condenser microphone with built-in windscreen and impedance converter for reporters, emcees and quiz masters, for presentations, lecturers, conferences and "round-table discussions". In cable bound applications the microphone is supplied from the battery power pack MSB 18.



Technical specifications

(with the MSB 18)

Frequency response:

Pickup pattern:

Sensitivity:

Source impedance:

Rated load impedance:

Weight:

40 - 20 000 Hz

omnidirectional

10 mV/Pa Δ -40 dBV

200 Ω

$\geq 1000 \Omega$

approx. 25 g without connector

MSB 18



Battery power pack for clip-on condenser microphone MC 715 in conjunction with cable bound applications. Built-in bass roll-off-filter.

Technical specifications

Operating voltage:

Batteries:

Operating time:

Supply voltage:

Feed current:

Source impedance:

Rated load impedance:

Voltage gain:

Dimensions:

Weight:

18 V \pm

2 x 9 V (IEC 6 F 22)

approx. 150 h

18 V \pm

0.7 mA

200 Ω

$\geq 1000 \Omega$

approx. 6 dB

65 x 81 x 26 mm

approx. 180 g

Models

MSB 18 N

MSB 18 N (C)

MC 734 N (C) P 48



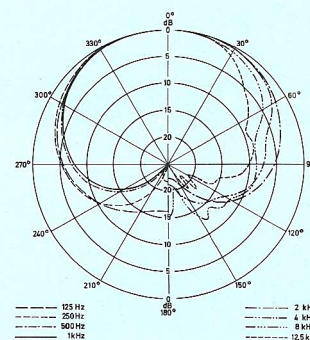
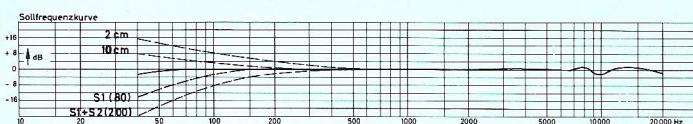
Soloist's condenser microphone.

Cardioid characteristic.

Typical soloist's microphone with unusually flat frequency response curve. Extremely low feedback. Highly effective suppression of pop and hiss noise. Not sensitive to hand-held noise. The low frequency response can be changed through a built-in, switch-controlled three-stage filter. Additional footfall sound filter built in. Rugged design.

Wide dynamic range.

For 48 V phantom powering.



Technical specifications

Supply voltage:

Current consumption:

Frequency response:

Polar pattern:

Sensitivity:

Source impedance:

Minimum load impedance:

Max. SPL for 0.5% THD

at 1 kHz:

Noise voltage: (DIN 45 405)

S/N ratio according to DIN 45 590

(ref. level 1 Pa):

A-weighted equivalent noise level

due to inherent noise (JEC 179):

48 \pm 4 V

approx. 0.5 mA

20 - 20 000 Hz

cardioid

5 mV/Pa Δ -46 dBV

150 Ω

$\geq 1000 \Omega$

138 dB

1.7 μ Vs

69 dB

approx. 18 dB

Dimensions

Length:

Shaft diameter:

Head diameter:

Head length:

Weight:

175 mm

25 mm

45 mm

80 mm

270 g

STUDIO-QUALITY CONDENSER MICROPHONES

MC 736 N (C) P 48

MC 736 N (C) PV



Studio-quality directional condenser microphone. Cardioid/lobe characteristic. Short shotgun microphone. Particularly designed to satisfy the requirements of field pickups. Effective masking of noise. Cardioid directional pattern below 2000 Hz. Exceptionally high sensitivity. Unusually large signal-to-noise ratio. Built-in, switch-controlled frequency response filter for lowering bass frequencies. For 48 V phantom powering.

MC 736 N (C) PV: Direct connection to all phantom power sources between 12 V and 48 V. Lightweight aluminum housing, hence particularly well suited for OB (outside broadcast) and film sound recordings.

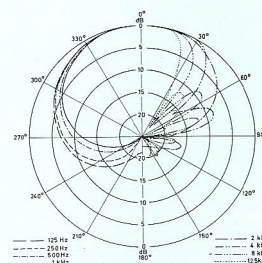


Technical specifications

Type:	MC 736 N (C) P 48	MC 736 N (C) PV
Supply voltage:	48 ± 4 V	12 V - 48 V
Current consumption:	1.4 mA	6.5 mA
Frequency response:	40 - 20 000 Hz	40 - 20 000 Hz
Pickup pattern:	cardioid/lobe	cardioid/lobe
Sensitivity:	30 mV/Pa ± -30 dBV	25 mV/Pa ± -33 dBV
Source impedance:	150 Ω	150 Ω
Minimum load impedance:	≥ 1000 Ω	≥ 1000 Ω
Max. SPL for 0.5% THD at 1 kHz:	123 dB	122 dB
with preattenuation:	135 dB	128 dB
Noise voltage (DIN 45 405):	6.0 μVs	4.5 μVs
S/N ratio according to DIN 45 590 (ref. level 1 Pa):	approx. 74 dB	approx. 74 dB
Equivalent noise level, A-weighted:	approx. 13 dB	approx. 13 dB

Dimensions

Length:	294 mm	294 mm
Diameter:	21 mm	21 mm
Weight:	240 g	195 g



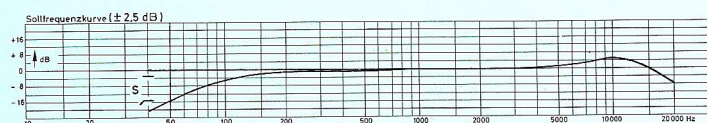
MC 737 N (C) P 48

MC 737 N (C) PV



Studio-quality directional condenser microphone. Lobe characteristic. Long shotgun microphone. Particularly rugged housing design. Exceptionally high sensitivity ensures ready connectability to all common OB tape recorders. Exceptionally large signal-to-noise ratio. Built-in, switch-controlled frequency response filter for lowering bass frequencies. For 48 V phantom powering.

MC 737 N (C) PV: Direct connection to all phantom power sources between 12 V and 48 V possible. Weight reduced by aluminum housing.

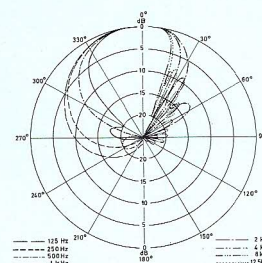


Technical specifications

Type:	MC 737 N (C) P 48	MC 737 N (C) PV
Supply voltage:	48 ± 4 V	12 V - 48 V
Current consumption:	1.4 mA	6.5 mA
Frequency response:	40 - 20 000 Hz	40 - 20 000 Hz
Polar pattern:	lobe	lobe
Sensitivity:	30 mV/Pa ± -30 dBV	25 mV/Pa ± -33 dBV
Source impedance:	150 Ω	150 Ω
Minimum load impedance:	≥ 1000 Ω	≥ 1000 Ω
Max. SPL for 0.5% THD at 1 kHz:	123 dB	122 dB
with preattenuation:	135 dB	128 dB
Noise voltage (DIN 45 405):	6.0 μVs	4.5 μVs
Signal to noise ratio: according to DIN 45 590 (ref. level 1 Pa):	approx. 74 dB	approx. 74 dB
Equivalent noise level, A-weighted:	approx. 13 dB	approx. 13 dB

Dimensions

Length:	564 mm	564 mm
Diameter:	21 mm	21 mm
Weight:	440 g	250 g



STUDIO-QUALITY CONDENSER MICROPHONES

MC 740 N (C) P 48



Studio-quality condenser microphone with frequency-independent, switch-selectable directional pattern: omnidirectional, wide cardioid, cardioid, hypercardioid, bidirectional. Uniform frequency response independent of polar pattern. For 48 V phantom powering. Switch-controlled preattenuation of 10 dB for high sound pressure levels. Available not only in the standard version with 3-pin XLR connector but also in the special version 5-pin XLR connector for remote control of the directional pattern from the power pack MSG 740. Supplied with microphone clamp MKV 11, 3/8" -5/8" internal thread.

Technical specifications

Supply voltage:
Current consumption:
Frequency response:
Pickup pattern:

Sensitivity:
Source impedance:
Minimum load impedance:
Max. SPL for 0.5% THD at 1 kHz:
with preattenuation:
Signal-to-noise ratio (referred to 1 Pa):
Equivalent noise level, A-weighted:

Dimensions

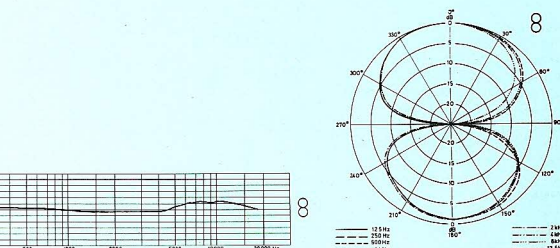
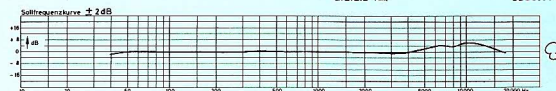
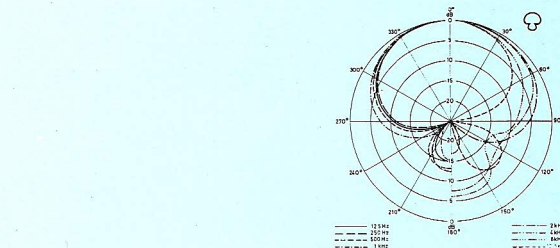
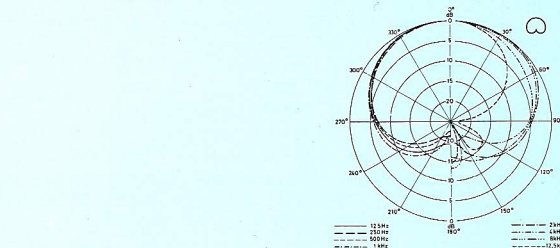
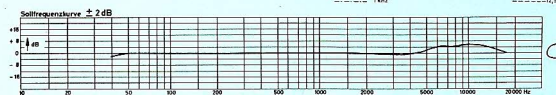
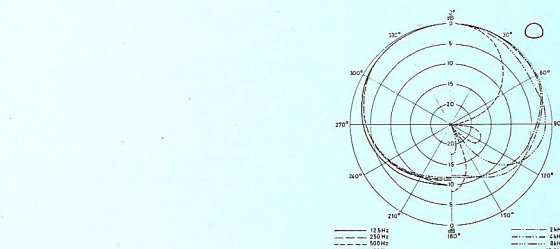
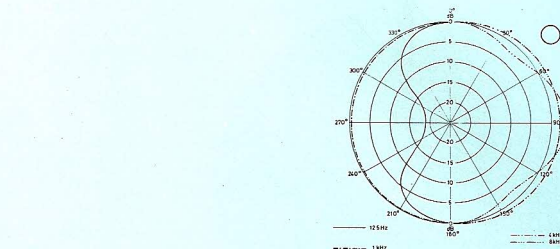
Length: 215 mm
Shaft diameter: 37 mm
Head dimensions: 36 x 55 mm
Weight: approx. 390 g

48 ± 4 V
1.4 mA
40 - 20 000 Hz
omnidirectional,
wide cardioid,
cardioid,
hypercardioid,
bidirectional
10 mV/Pa ± -40 dBV
150 Ω
≥ 1000 Ω
134 dB
144 dB
approx. 70 dB
approx. 17 dB

Models

MC 740 N (C)
MC 740 N (C/5)

The frequency response curves and polar diagrams depend on the selector switch position for the desired directional pattern:



STUDIO-QUALITY CONDENSER MICROPHONES

MPC 40



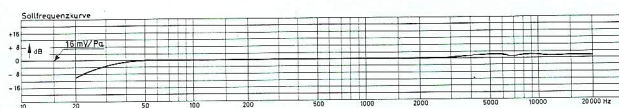
Being integrated in the surface on which it is placed, the acoustical boundary microphone can use the phase balance of the waves which are received and reflected by the surface. This new design guarantees a clear sound reproduction and avoids that certain frequencies are not transmitted or over-emphasized. As it is independent on the distance to the sound source it can be placed anywhere in the room.

The MPC 40 has a frequency response of 25 - 20 000 Hz and a half-spherical polar pattern. As well as for stereophonic purposes this microphone is also suited for the pick-up of instruments, such as pianos, where it is fixed inside the instrument. Due to its small dimensions, it is especially qualified for this purpose. Instead of a built-in pre-amplifier, the external amplifier module CV 750 (with built-in footfall filter, switchable 10 dB attenuator and switchable roll-off filters) can be connected to the microphone. For battery operation battery power supply MES 40 VN (C). 1 is available which can also be used as adapter for the connection of any phantom power supply. The new beyerdynamic MPC 40 is an important alternative for recording studios as well as for the pick-up of instruments compared with microphones of usual designs.

Technical specifications

Operating principle:	pressure transducer
Polar pattern:	half-spherical
Frequency response:	25 - 20 000 Hz
Open circuit voltage:	approx. 14 mV/Pa
Nominal impedance:	1000 Ω
Rated load impedance:	≥ 1000 k Ω
Max. SPL at $f = 1$ kHz, $k \leq 1\%$:	138 dB, when operated with CV 750 N (C) 125 dB, when operated with MES 40 VN (C).1
Signal-to-noise ratio rel. to 1 Pa:	approx. 67 dB
A-weighted equivalent SPL:	approx. 20 dB
Supply voltage:	7 - 45 V =
Current consumption:	approx. 650 μ A

Frequency response curve with CV 750 N (C)



Dimensions

Dimensions:	diameter 70 mm/height 10.5 mm
Weight:	approx. 85 g
Connecting plug:	Binder typ. no. 09-0075-00-03, ser. no. 711
Wiring:	Pin 1: + supply voltage Pin 2: ground Pin 3: AF

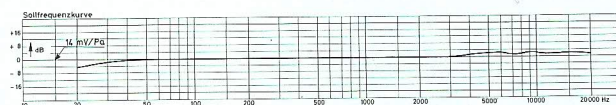
Technical specification

Supply voltage:	48 \pm 4 V (Phantom)
Current consumption:	0.6 mA
Voltage gain:	1.12
with 10 dB attenuation:	0.35
Frequency response:	40 - 20 000 Hz
Nominal impedance:	150 Ω
Rated load impedance:	1000 Ω
Max. output voltage at $f = 1$ kHz, $R = 1$ k Ω and THD $\leq 0.5\%$:	900 mV
Noise voltage (weighted):	3.2 μ Vs
Phase shift between input and output:	180°

Dimensions

Dimensions:	diameter 25 mm length 135 mm
Weight:	170 g

Frequency response curve with MES 40 VN(C).1

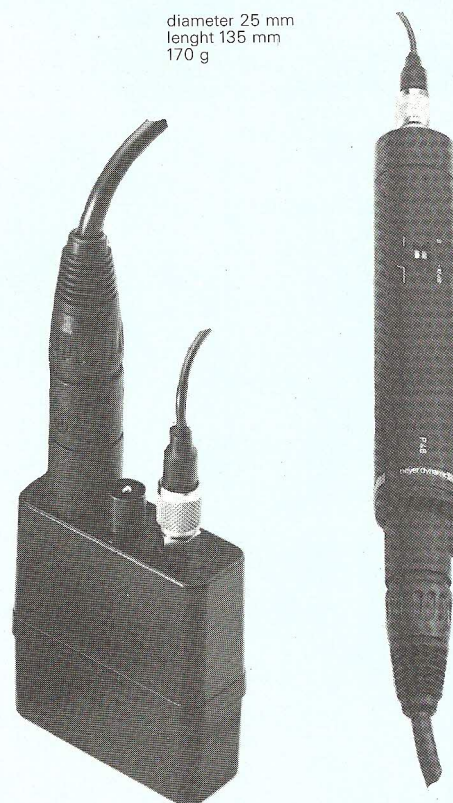


Technical specifications

Supply voltage:	9 V battery (IEC 6 F 22) or 12 - 48 V phantom power
Current consumption:	approx. 3.5 mA, when operated with 9 V battery approx. 4.5 mA, when operated with 12 - 48 V phantom power
Voltage gain:	1
Frequency response:	20 - 20 000 Hz
Nominal impedance:	180 Ω
Rated load impedance:	1000 Ω
Max. output voltage at $f = 1$ kHz, $R_L = 1$ k Ω and THD $\leq 0.5\%$:	500 mV
Noise voltage:	3.2 μ Vs
Phase shift between input and output:	180°

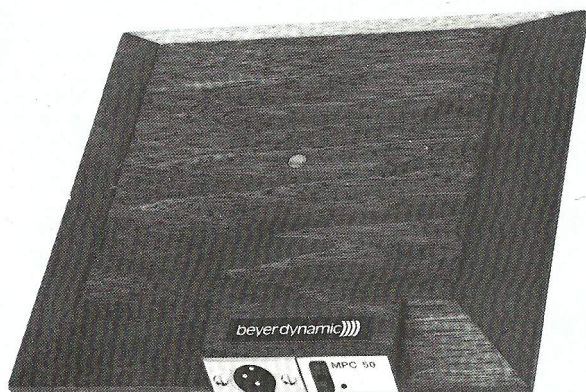
Dimensions

Dimensions:	65 x 68 x 26 mm
Weight:	approx. 100 g



STUDIO-QUALITY CONDENSER MICROPHONES

MPC 50 N (C)



Acoustical boundary microphone.
Half-spherical characteristic.
Productions with acoustical boundary or so-called PZM® microphones as alternatives to conventional, polymicrophone pickup techniques excel through their balance and separating ability. Also field-proven for conference installations. The microphone installed in an oak panel is absolutely step proof because it is installed flush with the panel surface. XLR-connection, connecting cable can be of any length.
12 - 48 V phantom powering or self-contained powering. ON/OFF switch. Power pilot LED.

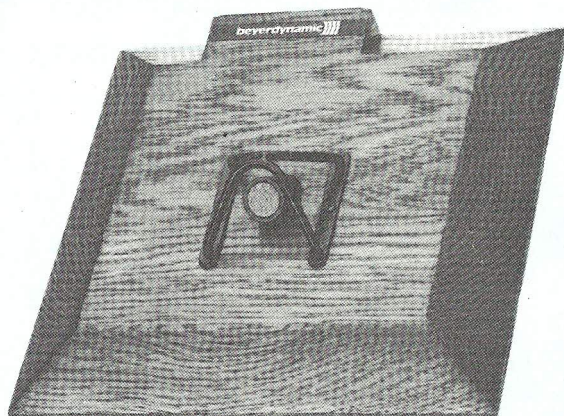
Technical specifications

Supply voltage:	12 V - 48 V phantom powering or 9 V battery approx. 4 mA
Current consumption:	20 - 20 000 Hz
Frequency response:	half-spherical
Polar pattern:	approx. 20 mV/Pa
Sensitivity:	approx. 200 Ω
Nominal impedance:	$\geq 1000 \Omega$
Rated load impedance:	130 dB
Max. SPL for 0.5% THD at 1 kHz:	9.0 μ Vs
Noise voltage (DIN 45 405):	approx. 67 dB
Signal-to-noise ratio: (ref. to 1 Pa)	approx. 20 dB
Equivalent noise level, A weighted:	9 V block battery, IEC 6 F 22
Battery:	

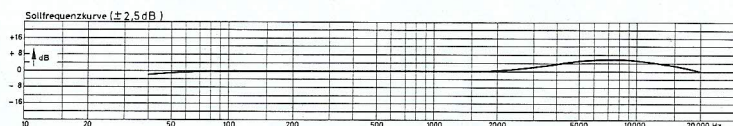
Dimensions

Length:	220 mm
Width:	220 mm
Height:	22.5 mm
Weight:	approx. 500 g

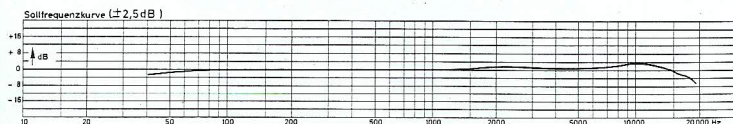
MPC 60/1 MPC 60/3



Frequency response curve MPC 60/1



Frequency response curve MPC 60/3



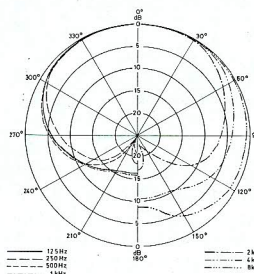
Acoustical boundary microphones. Conventional condenser transducers to achieve a better signal-to-noise ratio. The two microphones differ in polar pattern. The MPC 60/1 has a half-spherical polar pattern whereas the MPC 60/3 is cardioid. This cardioid polar pattern means a better protection against feedback and therefore on stage the MPC 60/3 version should be used. The transducer systems which are mounted in a slanting position are protected against damage by a metal bow. The two different cartridges can be exchanged by each other.

Technical specifications

	MPC 60/1	MPC 60/3
Operating mode:	pressure transducer	pressure gradient
Polar pattern:	half-spherical	half-cardioid
Frequency response:	20 - 20 000 Hz	20 - 20 000 Hz
Sensitivity at 1 kHz:	20 mV/Pa	20 mV/Pa
Nominal impedance:	200 Ω	200 Ω
Rated load impedance:	$\geq 1000 \Omega$	$\geq 1000 \Omega$
Max. SPL at f = 1 kHz:	132 dB	132 dB
THD $\leq 1\%$	72 dB	72 dB
Signal-to-noise ratio relative to 1 Pa	15 dB	15 dB
A-weighted equivalent SPL	9 V battery or 12 - 48 V phantom power	9 V battery or 12 - 48 V phantom power
Supply voltage	5,5 mA	5,5 mA
Current consumption:		

Dimensions:

length: 220 mm	length: 220 mm
width: 220 mm	width: 220 mm
height: approx. 50 mm	height: approx. 50 mm
weight: approx. 750 g	weight: approx. 750 g



STUDIO-QUALITY CONDENSER MICROPHONES

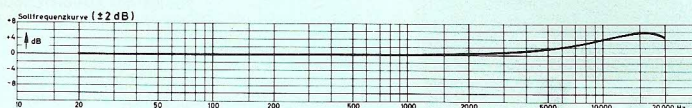
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MCE 5/MCE 6



Clip-on electret condenser microphone. Because of its small dimensions, this clip-on microphone which is designed for the same applications as the MC 715 is particularly well suited for film and television productions where microphones should be highly inconspicuous. Removable wire-type windscreen. In conjunction with the holder MGH 5 suited for picking up string instruments. In cable bound applications this microphone is supplied from the battery power pack MES 5. Direct connection of various models to the beyerdynamic pocket transmitters is possible. Adapters for powering via 12 V A-B and 48 V phantom sources as well as Nagra and Stellavox tape recorders are available.

MCE 6: Special model of the MCE 5 for picking up instruments producing high sound pressure levels such as flute, trumpet, saxophone, etc. Max. SPL > 146 dB. Models see MCE 5.



Technical specifications

Model:

Mode of operation:

Pickup pattern:

Frequency response:

Sensitivity at 1 kHz,

0 dBV \pm 1 V/Pa:

Source impedance:

Rated load impedance:

Signal-to-noise ratio:

Equivalent noise level,

A weighted:

Max. SPL for THD \leq 1% at 1 kHz:

Supply voltage:

Current consumption:

Battery operating time*:

Case:

Surface:

Cable length:

Connector:

MCE 5, MCE 5.3
(with MES 5 V)

Pressure
microphone
omnidirectional
20 - 20 000 Hz

7 mV/Pa \pm -43 dBV

800 Ω

\geq 3 000 Ω

61 dB

26 dB

116 dB

9 V \pm

1.4 mA

approx. 90 h

brass

chromium-plated,

mat black

1.3 m

small 6-pin

standard DIN

connector

MCE 5.4, MCE 5.6

Pressure
microphone
omnidirectional
20 - 20 000 Hz

14 mV/Pa \pm -37 dBV

200 Ω

\geq 1 000 Ω

61 dB

26 dB

117 dB

9 V \pm

3.5 mA

approx. 40 h

brass

chromium-plated,

mat black

1.3 m

MCE 5.4:

small 6-pin

standard DIN

connector

MCE 5.6:

3-pin cannon female

connector or

equivalent

MCE 5.1, MCE 5.11

Pressure
microphone
omnidirectional
20 - 20 000 Hz

14 mV/Pa \pm -37 dBV

200 Ω

\geq 1 000 Ω

61 dB

26 dB

117 dB

5.6 V \pm

1.8 mA

approx. 60 h

brass

chromium-plated,

mat black

3 m

MCE 5.1: 2-pole

jack, 6.35 mm \varnothing ,

built-in battery

MCE 5.11:

3-pin cannon male

connector or

equivalent, with

built-in battery

MCE 5.5

Pressure
microphone
omnidirectional
20 - 20 000 Hz

7 mV/Pa \pm -43 dBV

\leq 1.3 k Ω

61 dB

26 dB

116 dB

5 V \pm

\leq 2 mA

brass

chromium-plated,

mat black

1.3 m

special connector

for Nagra SN

Dimensions:

Length:

Diameter without windscreen:

Diameter with windscreen:

Weight:

23 mm

7 mm

10.6 mm

6.5 g with clip and windscreen (without cable and connector)

*Powered by the MES 5 or by the built-in battery.

Models

MCE 5

MCE 5.3

MCE 5.4

MCE 5.5

MCE 5.6

MCE 5.8

MCE 5.9

MCE 5.1 N(K)

MCE 5.11 N(C)

MCE 5.12

MCE 5.14

MCE 5.14 S

Standard model, small 6-pin standard DIN connector.

Same as MCE 5, however with bass roll-off, small 6-pin standard connector.

Same as MCE 5, however with low impedance and higher output voltage. Small 6-pin standard connector.

Special version for Nagra SN.

Same as MCE 5.4, but for direct connection to Nagra and Stellavox tape recorders, 3-pin XLR socket.

For direct connection to Micron TX 101 and TX 102, 8-pin Lemosa connector or equivalent.

Same as MCE 5, but 3 m long cable with blank end (outer shield = ground, inner shield =

+9 V, inner green conductor = AF).

Same as MCE 5.4, but with 3 m long cable and built-in battery in 2-pole 6.35 mm diam. jack.

Same as MCE 5.1, but with 3-pin cannon connector or equivalent for phantom or battery powering.

For direct connection to TS 42.10, with cinch connector.

For direct connection to TS 42.10-10 ... 30.

Same as above, but with ON-OFF-switch

MFT 5



Cartridge for German flute designed on the basis of MCE 5. To fit different flute diameters an adapter (matching part) in 3 different sizes is available. No transmission of key and handling noises. Equipped with a special filter to suppress blowing and popping noises. Highly insensitive to feedback due to pick-up inside the flute.

Technical specifications

Operating mode: pressure transducer

Sensitivity at 1 kHz: 0.15 mV/Pa

Signal-to-noise ratio

relative to 140 dB: 74 dB

Max. SRL at 1 kHz,

THD = 1% 149 dB

Frequency response: up to 20 kHz

Supply voltage: to be fed by phantom power supplies MES 40 and MES 5 or by the transmitter of the wireless microphone system

Current consumption: 0.9 mA

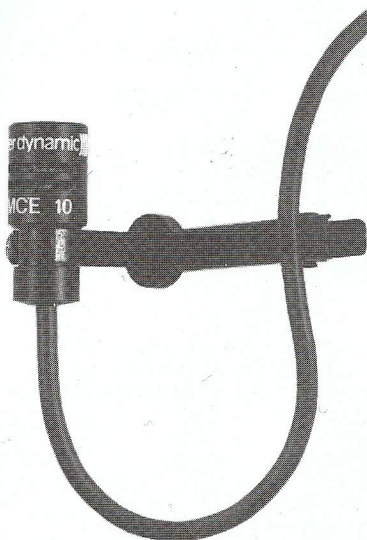
Length: 74 mm

Adapters for different

flute diameters: 17 mm, 21.1 mm or 26.5 mm

STUDIO-QUALITY CONDENSER MICROPHONES

MCE 10

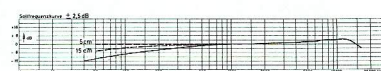
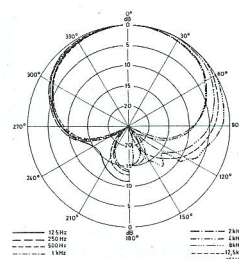


Clip-on electret condenser microphone.
Hypercardioid.

This high-quality electrostatic clip-on microphone in "back-electret technology" is used in place of the MCE 5 when feedback problems occur from simultaneous sound coverage. Because of the hypercardioid directional pattern of the MCE 10, the audio level in the hall can be slightly increased above the volume attainable with the MCE 5. Used particularly in theaters (musicals), live television productions, presentations, churches, etc. Despite its directional properties, the dimensions of the MCE 10 are only slightly larger than those of the MCE 5 which means that this microphone is also inconspicuous.

Technical specifications

Operating mode:	pressure-gradient microphone
Polar pattern:	hypercardioid
Frequency response:	40 - 20 000 Hz
Sensitivity at 1 kHz:	8 mV/Pa \pm -42 dBV
Source impedance:	700 Ω
Rated load impedance:	≥ 2.7 k Ω
Signal to noise ratio:	approx. 61 dB
Equivalent noise level, A weighted:	26 dB
Max. SPL at 1 kHz and $R_L = 2.7$ k Ω for THD $\leq 1\%$:	116 dB
Supply voltage:	8 V \pm -18 V \pm
Current consumption at 9 V \pm supply voltage:	1.4 mA
Case:	brass
Surface:	mat black
Connector:	according to models (refer to MCE 5)
Dimensions:	Length: 30 mm
Weight:	Diameter: 9 mm 15 g without cable and connector



Models
Refer MCE 5, page 28

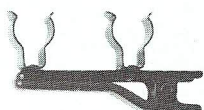
Special accesories for MCE 5, MCE 6, MCE 10

MKV 5



MKV 5/1 Clamp with mount, for one MCE 5, or MCE 6

MKV 5/1 D Clamp with swivel mount, for one MCE 5 or MCE 6



MKV 5/2 Clamp with mount, for two MCE 5, or MCE 6

WS 5



Wire mesh windscreen for MCE 5, MCE 6.

ZWS 5: Foam mesh windscreen for outdoor productions.

WS 10



Wire mesh windscreen for MCE 10

ZWS 10: Foam mesh windscreen for outdoor productions.

MSV 5

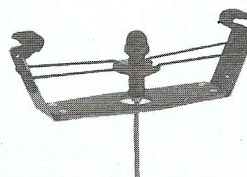


MSV 5/1 Pin with mount for one MCE 5 or MCE 6

MSV 5/2 Pin with mount for two MCE 5 or MCE 6

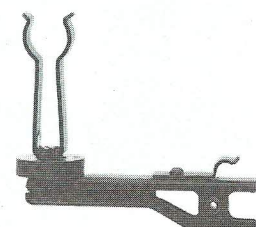


MTH 5
Mount for trumpet

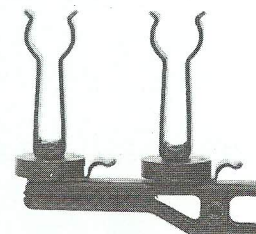


MAG 5.1
Mount for acoustical guitar

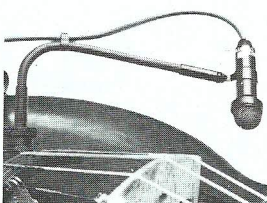
MKV 10



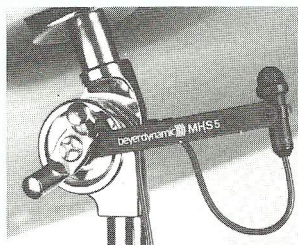
MKV 10/1 Clamp with swivel mount for one MCE 10



MKV 10/2 Clamp with swivel mount for tow MCE 10



MGH 5
Violin mount for MCE 5, MCE 6 or MCE 10



MSH 5
Mount for cymbal

(not illustrated)
MAG 5 Mount for guitar
MFH 5 Mount for flute.
MSH 5.1 Mount for cymbal.

ACCESSORIES FOR CONDENSER MICROPHONES

MA 5 P 48 N (C) MA 5 T 12 N (C)



Adapter for connecting the clip-on microphone MCE 5/MCE 5.3/MCE 5.4 to 48 V phantom or 12 V "AB" supplies. Cannon-XLR connector on equipment side.

MA 5 P 48 N (C).F MA 5 T 12 N (C).F



Adapter for connecting the clip-on microphone MCE 5.4 to Nagra and Stellavox tape recorders. For 12 V "AB" powering. With XLR female connector on equipment side. On special request also available with male XLR-connector (MA 5 P 48 N (C) M resp. MA 5 T 12 N (C) M).

POWER PACKS

MES 5



Battery power pack for clip-on condenser microphones MCE 5, MCE 6 and MCE 10 in conjunction with cable bound applications. Can also be used as an adapter to 48 V phantom power circuits without the need for battery removal.

Technical specifications

Operating voltage: 9 V=
Battery: 1x 9 V (IEC 6 F 22)
Supply voltage: 9 V=
MCE 5, MCE 5.3
Feed current: 1.3 mA
Battery operating time: approx. 90 h
Nominal impedance: 800 Ω
Rated load impedance: $\geq 3\,000\ \Omega$
Dimensions: 65 x 68 x 26 mm
Weight: approx. 130 g

MCE 5.4
2.7 mA
approx. 40 h
200 Ω
 $\geq 1000\ \Omega$

Models

MES 5 VN
MES 5 VN (C)

MSB 9 N MSB 9 N.1



Battery power pack for mains-independent phantom powering of a beyerdynamic studio condenser microphone with amplifier handle CV 720. Connects between the microphone and the amplifier/tape recorder input. Battery check LED. MSB 9 N and MSB 9 N (C) for balanced inputs. MSB 9 N.1 and MSB 9 N (C).1 with built-in balancing transformers for unbalanced inputs.

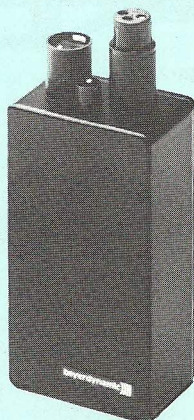
MSB 9 N (C) MSB 9 N (C).1



Technical specifications

Operating voltage: 9 V=
Battery: 1x 9 V (IEC 6 F 22)
Battery operating time: approx. 40 h
Supply voltage: 9 V=
Current feed: 2.7 mA
Nominal impedance: 200 Ω
Rated load impedance: $\geq 1000\ \Omega$
Voltage gain: approx. 6 dB
Dimensions: 65 x 68 x 26 mm
Weight (with battery): approx. 120 g

MSB 48 N (C).1



Battery power pack for mains-independent phantom powering of a beyerdynamic studio condenser microphone, designed for 48 V phantom powering. Connects between the microphone and the amplifier/tape recorder input. Built-in balancing transformer permits connection to balanced and unbalanced inputs. Battery check LED.

With the aid of the mounting clip it can be fastened e.g. to the trouser belt.

Technical specifications

Phantom powering according to DIN 45 596:
Batteries: P 48
Supply voltage: 5x 9 V (IEC 6 F 22)
45 V=
Battery operating time with alkaline-manganese batteries: approx. 180 h for 1 mA microphone current feed
Nominal impedance: 200 Ω
Rated load impedance: $\geq 1000\ \Omega$
Dimensions: 120 x 66 x 41 mm
Weight (without batteries): approx. 330 g

ACCESSORIES FOR CONDENSER MICROPHONES

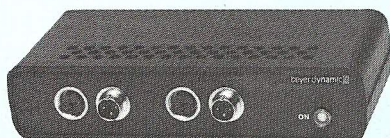
POWER PACKS

MSG 248 N

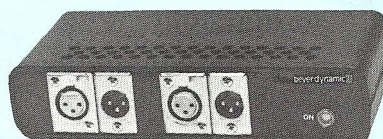
MSG 248 N (C)

MSG 248 N.1

MSG 248 N (C).1



Mains-supplied power pack for 48 V phantom powering of two microphones according to DIN 45 596. Connects between the microphone and the amplifier/mixing console input. MSG 248 N and MSG 248 N (C) for balanced inputs. MSG 248 N.1 and MSG 248 N(C).1 with built-in balancing transformer for balanced and unbalanced inputs.



Technical specifications

Operating mains voltage:	220 V $\pm 10\%$ (110 V upon request)
Power consumption:	2.2 W
DC voltage output:	48 V ± 1 V \pm , 10 mA
Ripple:	≤ 1 mV
Nominal impedance:	200 Ω
Rated load impedance:	≥ 1000 Ω
Dimensions:	203 x 90 x 44 mm
Weight:	approx. 650 g

MSG 648 N

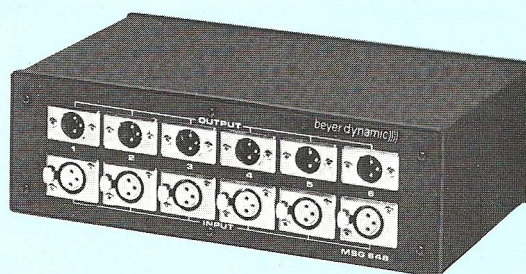
MSG 648 N (C)

MSG 648 N.1

MSG 648 N (C).1



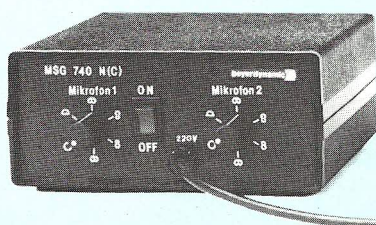
Mains-supplied power pack for 48 V phantom powering of six microphones according to DIN 45 596. Connects between the microphone and the amplifier/mixing console input. MSG 648 and MSG 648 N (C) for balanced inputs. MSG 648 N.1 and MSG 648 N (C).1 with built-in balancing transformer for balanced and unbalanced inputs.



Technical specifications

Operating mains voltage:	220 V $\pm 10\%$ (110 V upon request)
Power consumption:	4 W
DC voltage output:	48 V ± 1 V \pm , 10 mA
Ripple:	≤ 1 mV
Nominal impedance:	200 Ω
Rated load impedance:	≥ 1000 Ω
Dimensions:	283 x 166 x 92 mm
Weight:	approx 2200 g

MSG 740 N (C)



Mains-supplied power pack for connecting MC 740 N (C/5). Permits remote control of the directional pattern (omni-directional, wide cardioid, hypercardioid, figure-8) in switch position "R" of MC 740 N (C/5). Connects between the microphone and balanced amplifier input.

Technical specifications

Operating mains voltage:	100 ... 130 V/200 ... 240 V 50/60 Hz (reversible with a strap)
Power consumption:	approx. 4.6 W
DC voltage output:	2 x +48 V ± 1 V \pm
Switchable control voltage:	2 x +65 V \pm 2 x +22 V \pm 2 x -22 V \pm 2 x -65 V \pm
Max. DC current:	≤ 10 mA
Ripple:	≤ 60 μ V $_{eff}$
Weight:	approx. 830 g