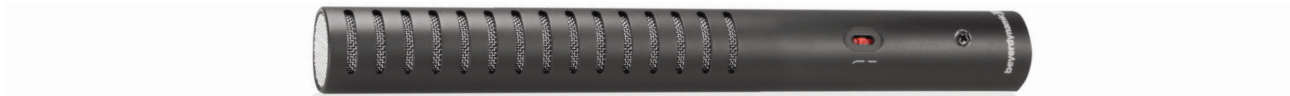


MCE 85

Condenser Shotgun Microphone



MCE 85 BA



MCE 85 PV

FEATURES

- On-off switch for battery operation (MCE 85 BA only)
- Battery status LED (MCE 85 BA only)
- DC/DC converter (MCE 85 BA only)
- Lobe polar pattern
- Wide frequency response
- Selectable bass roll-off
- Matt, non-glare surface

VERSIONS

- | | |
|-----------|---|
| MCE 85 PV | Condenser shotgun microphone for phantom powering, lobe polar pattern, microphone clamp and pop shield included Order # 706.523 |
| MCE 85 BA | Condenser shotgun microphone for phantom and battery powering, lobe polar pattern, microphone clamp and pop shield included . . . Order # 706.418 |
| MCE 85 BA | Full Camera Kit:
MCE 85 BA incl. Rycote
Universal Camera Kit in a rugged plastic case Order # 706.965 |

APPLICATIONS

The MCE 85 can be mounted to film cameras, DSLR cameras or digital camcorders for high-quality recordings in outdoor applications or in theatres and studios with fishpole boom or as handhelds.

Due to the polar pattern signals from the side or back are eliminated. A switchable bass roll-off filter eliminates unwanted low frequencies at a cut-off frequency of 120 Hz (MCE 85 BA) or 160 Hz (MCE 85 PV). An integrated footfall sound insulation avoids the transmission of noise below 40 Hz. To avoid wind noise when used outdoors, a windshield must be used.

The MCE 85 PV/BA can be powered by any phantom power source supplying 11 to 52 V. If no phantom power is available, we recommend using the MCE 85 BA version, which can also be powered by an 1.5 V battery.

The MCE 85 BA is fitted with a switch to activate the battery-powered operation and a battery status LED. The typical life of a battery is around 160 hours.

For different applications there are diverse optional accessories available.

MCE 85

OPTIONAL ACCESSORIES

Cables



MVK 86-K 3 Order # 479.268

3-pin XLR female connector and mini stereo jack plug (3.5 mm), 0.35 m long



MVK 87- 3 Order # 481.661

3-pin XLR female connector and mini stereo jack plug (3.5 mm), 2.5 m long



BMC 007 FM BLK . . . Order # 706.981

Standard microphone cable XLR-XLR, 0.70 m long

BMC 05 FM BLK Order # 434.787

Standard microphone cable XLR-XLR, 5 m long

BMC 10 FM BLK Order # 434.795

Standard microphone cable XLR-XLR, 10 m long

Pop/windshield



Rycote Softie Order # 708.291

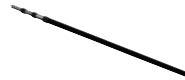
“Softie” synthetic fur windshield, 12 cm long, with beyerdynamic label and hair-brush, hair length 25 mm

Fishpole booms



MZA 717. Order # 400.807

Fishpole boom made of matt black aluminium, adjustable between 0.61 and 1.59 m, weight 300 g, transport bag included



MZA 718. Order # 406.260

same as MZA 717, but adjustable between 0.93 and 3.20 m, weight 800 g, transport bag included

Microphone clamps and mechanical accessories



EA 19/25. Order # 407.194

Elastic suspension for microphone shaft 19 - 25 mm, vertically pivotable



EA 86 Order # 407.186

Elastic suspension for microphone shaft 19 - 25 mm, BS 86 set for flash holder included



BS 86 Order # 460.370

Set for flash holder

MCE 85

TECHNICAL SPECIFICATIONS

MCE 85 BA

Transducer type	Condenser (back electret)
Operating principle	Pressure gradient
Polar pattern	Supercardioid/lobe
Frequency response	34 - 19,000 Hz (switchable bass roll-off filter at 120 Hz)
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	-30.0 dBV = 31.6 mV/Pa ±3 dB
Nominal impedance	20 Ω
Load impedance	≥100 Ω
Rejection factor	>50 dB
Max. SPL at 1 kHz	115 dB
Volume range	95 dB
Signal-to-noise ratio rel. to 1 Pa	74 dB (A-weighted, RMS)
Equivalent SPL	20 dB (A-weighted, RMS)
Noise voltage	6.3 μVrms (A-weighted, RMS)
Polarity	Positive pressure at the diaphragm produces a positive voltage on pin 2
Connection	3-pin male XLR 2 = +, 3 = -, 1 = ground
Voltage supply, switchable	11 - 52 V phantom power or 1.5 V battery (LR6 AA)
Power consumption	3.7 mA / 20 mA (battery)
Operating time with battery	approx. 160 hrs.
Temperature range (at <90% humidity)	-20 °C to +65 °C
Length	284 mm
Diameter	23 mm
Weight	110 g

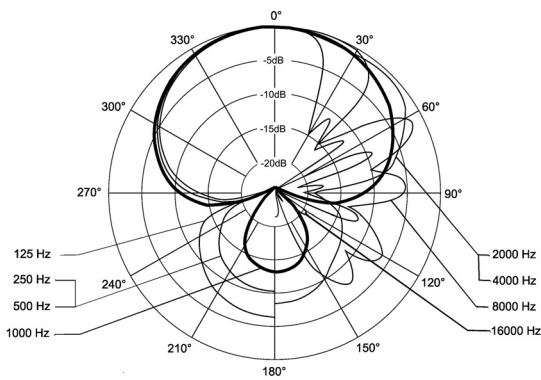
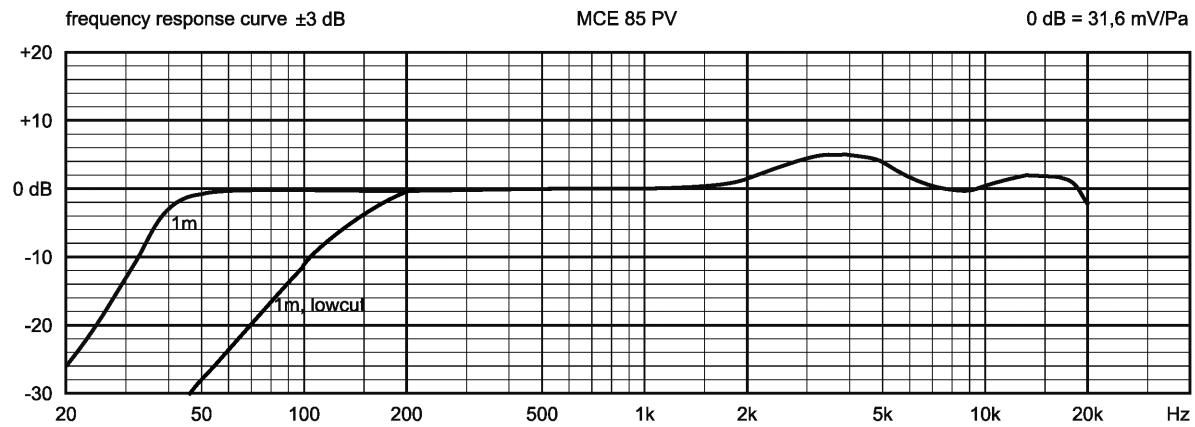
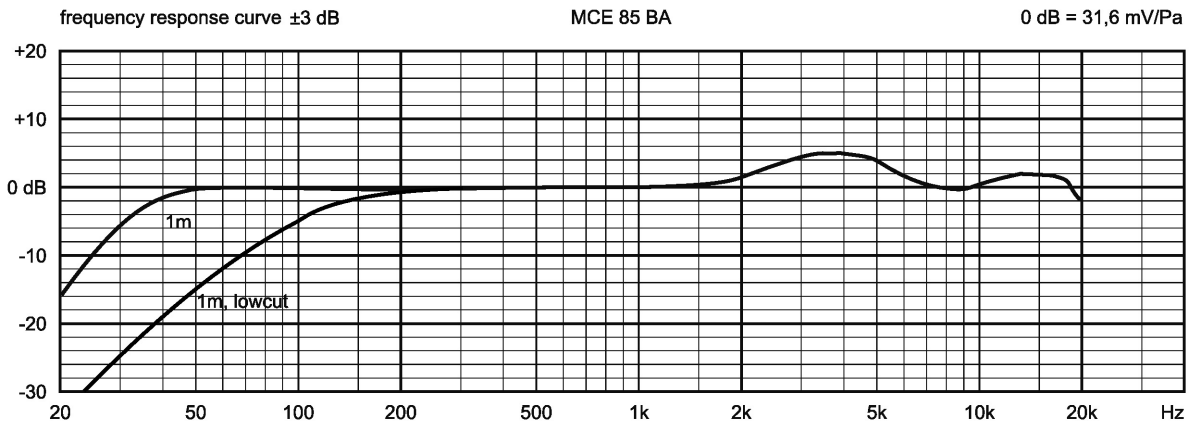
MCE 85 PV

Transducer type	Condenser (back electret)
Operating principle	Pressure gradient
Polar pattern	Supercardioid/lobe
Frequency response	40 - 19,000 Hz (switchable bass roll-off filter at 160 Hz)
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	-30.0 dBV = 31.6 mV/Pa ±3 dB
Nominal impedance	200 Ω
Load impedance	≥1 kΩ
Rejection factor	>68 dB
Max. SPL at 1 kHz	118 dB
Volume range	99 dB
Signal-to-noise ratio rel. to 1 Pa	75 dB (A-weighted, RMS)
Equivalent SPL	19 dB (A-weighted, RMS)
Noise voltage	5.6 μVrms (A-weighted, RMS)
Polarity	Positive pressure at the diaphragm produces a positive voltage on pin 2
Connection	3-pin male XLR 2 = +, 3 = -, 1 = ground
Voltage supply	11 - 52 V phantom power
Power consumption	2.4 mA, typ.
Temperature range (at <90% humidity)	-20 °C to +65 °C
Length	200 mm
Diameter	23 mm
Weight	81 g

MCE 85

FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance ± 3 dB) and polar pattern correspond to a typical production sample for this microphone.



MCE 85 BA/PV