

MCE 82

Stereo Microphone

Order # 450.588



FEATURES

- Stereo microphone for X-Y-recording
- Two condenser capsules back electret with cardioid polar pattern
- Angular width 90° ($\pm 45^\circ$ of the microphone axis)
- Elastic transducer suspension system
- Switchable bass roll off
- Battery or phantom powered
- LED indicator for battery condition
- Rugged metal housing

APPLICATIONS

The MCE 82 is a stereo microphone for X-Y-recording. It is suitable for stereo recording in ENG/EFP applications, reporting, film, video, interviewing and homerecording.

The MCE 82 has two condenser capsules with cardioid polar patterns, which are mounted at an angle of $\pm 45^\circ$ of the microphone axis. This allows a wide recording range and an accurate reproduction of the sound source. The MCE 82 has a flat linear frequency response for neutral miking with the highest sound quality.

Due to its compact and rugged metal housing, the MCE 82 is an ideal microphone for mobile applications. The elastic suspension of the condenser capsules suppresses handling and cable noise. A switchable bass filter eliminates wind noise and rumble.

The MCE 82 can be operated with any phantom supply between 12 and 48 V. If phantom supply is not available, the MCE 82 can also be powered by a 1.5 V battery. A LED indicates battery condition.

SUPPLIED ACCESSORIES

MVK 82-N(CM) Microphone connecting cable with 2 x 3-pin XLR-plug, 2.5 m long Order # 448.966
MKV 11 Microphone clamp with 3/8" internal thread for shaft diameter of 32 - 42 mm . . Order # 407.232
Battery 1.5 V (Type Mignon AA/LR 6)

OPTIONAL ACCESSORY

MVK 82-K3 Microphone connecting cable with mini stereo jack plug (3.5 mm), 2.5 m long . . Order # 450.949

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TECHNICAL SPECIFICATIONS

| | |
|------------------------------------|---|
| Transducer type | Condenser (back electret) |
| Frequency response (linear) | 50 - 20,000 Hz |
| Polar pattern | Cardioid |
| Open circuit voltage | 7.9 mV/Pa (= - 42 dBV) |
| Nominal impedance | 200 Ω |
| Load impedance | $\geq 1000 \Omega$ |
| S/N ratio | 62 dB (DIN/IEC 45 405) |
| Power supply | 12 - 48 V phantom supply or battery 1.5 V (type LR 6/AA) |
| Current consumption | Phantom: approx. 3 mA per channel battery: approx. 25 mA |
| Output | Balanced |
| Connection | 5-pin XLR male pin 1: ground pin 2: L +, pin 3: L - pin 4: R +, pin 5: R - |
| Dimensions | Length: 220 mm Shaft diameter: 27/38 mm Head diameter: 51 mm |
| Weight (without battery and cable) | 205 g |

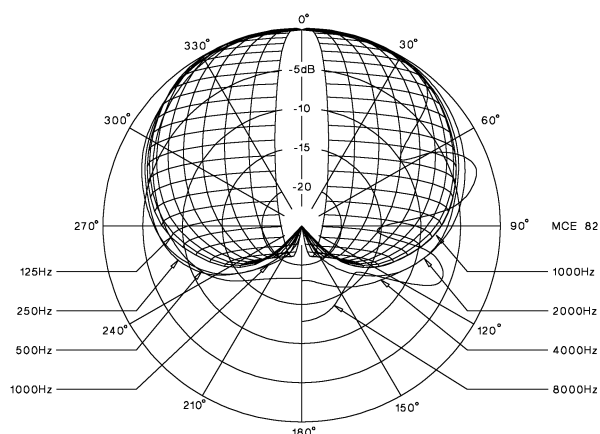
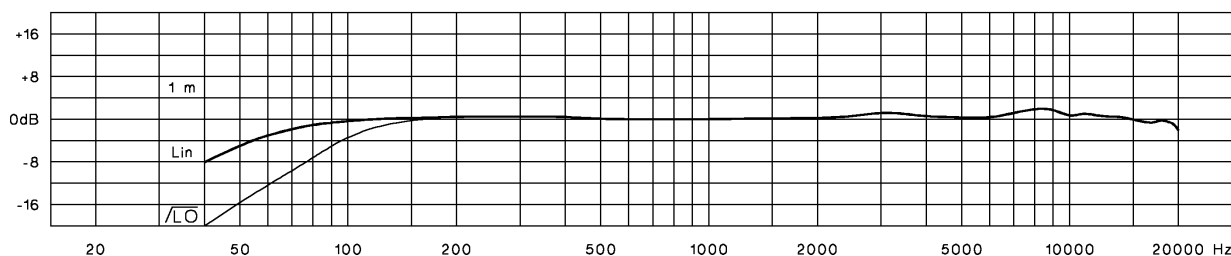
FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve and polar pattern (measuring distance $\pm 2,5$ dB) correspond to a typical production sample for this microphone.

Frequency response curve ± 2.5 dB

0 dB = 7.9 mV/Pa

MCE 82



WIRING DIAGRAM

MCE 82

