

## MCE 5

### Condenser Microphone



#### FEATURES

- Wide frequency range and natural response
- Omnidirectional polar pattern
- Studio quality
- Small and unobtrusive design
- Quickly interfaceable to wireless body-pack transmitters and other devices
- Battery/phantom power

#### APPLICATIONS

The omnidirectional MCE 5 clip-on microphone has been designed for the miking of speech and instruments, especially in broadcasting, film and stage. The delivery includes a small detachable wire mesh screen for outdoor applications.

The MCE 5 is available in many versions for the use with different devices. In addition to the use with amplifiers and recorders, this microphone is well suited for the connection to beyerdynamic's wireless systems.

#### VERSIONS

|              |                                     |                 |
|--------------|-------------------------------------|-----------------|
| MCE 5.09     | bare-ended cable, black             | Order # 248.495 |
| MCE 5.16     | with 4-pin LEMO-plug, black         | Order # 420.662 |
| MCE 5.16 Set | with CVU 16 preamp, black           | Order # 455.709 |
| MCE 5.18     | with 4-pin mini XLR plug, black     | Order # 470.937 |
| MCE 5.100    | with mini jack plug (3.5 mm), black | Order # 460.095 |

#### SUPPLIED ACCESSORIES

|       |  |                 |
|-------|--|-----------------|
| MKV 5 | Microphone clip                              | Order # 453.994 |
| PS 5  | Pop screen, black                            | Order # 219.045 |
| WS 5  | Polyurethane foam wind shield, charcoal-grey | Order # 275.603 |

#### OPTIONAL ACCESSORIES

|       |   |                 |
|-------|---|-----------------|
| MFH 5 | Mount for flute                               | Order # 275.298 |
| MGH 5 | Mount for violin                              | Order # 219.037 |
| MMH 5 | Magnetic holder for 1 microphone              | Order # 440.442 |
| ZCV   | Battery compartment for CVU 16 (MCE 5.16 Set) | Order # 451.096 |

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## TECHNICAL SPECIFICATIONS

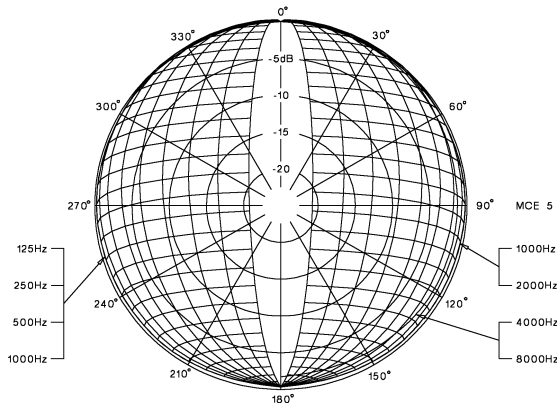
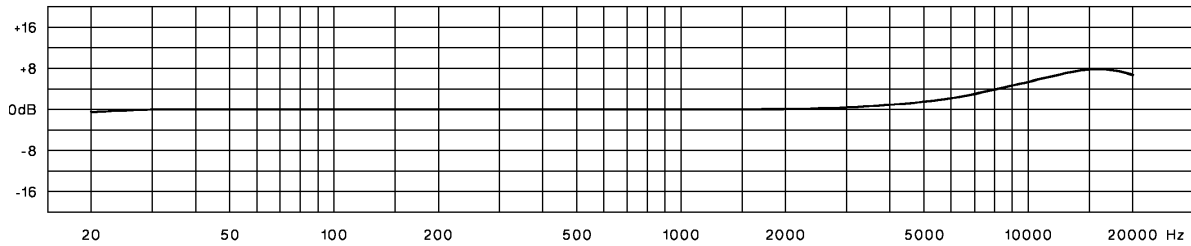
### with MES 16 power supply unit

|   |   |       |
|---|---|-------|
| Transducer type                               | Condenser (back electret)                       |       |
| Operating principle                           | Pressure  |       |
| Frequency response                            | 35 - 20,000 Hz                                  |       |
| Polar pattern                                 | Omnidirectional                                 |       |
| Open circuit voltage at 1 kHz (0 dB = 1 V/Pa) | approx. 18 mV/Pa (+6 dB)                        |       |
| Nominal impedance                             | approx. 200 Ω bal.                              |       |
| Load impedance                                | ≥ 1000 Ω  |       |
| Max. SPL at 1 kHz                             | 122 dB  |       |
| Signal-to-noise ratio rel. 1 Pa               | approx. 60 dB                                   |       |
| A-weighted equivalent SPL                     | approx. 26 dB                                   |       |
| Supply voltage                                | 12 - 48 V phantom power<br>9 V battery (MES 16) |       |
| Current consumption                           | approx. 3.6 mA                                  |       |
| Dimensions                                    | Length:   | 26 mm |
|   | Shaft diameter:                                 | 7 mm  |
| Cable length                                  | 1.35 m  |       |

## FREQUENCY RESPONSE & POLAR PATTERN

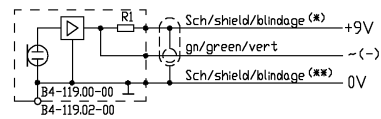
This frequency response curve (measuring tolerance ± 2.5 dB) and polar pattern correspond to a typical production sample for this microphone.

Sollfrequenzkurve +/- 2,5dB      0dB = 18mV/Pa      MCE 5

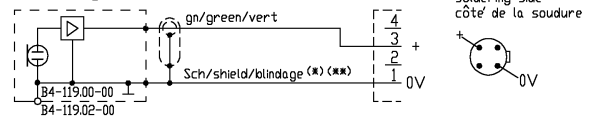


## WIRING DIAGRAMS

MCE 5.09



MCE 5.16



(\* Schirm innen/shield inside/blindage interieur  
(\*\*) Schirm aussen/shield outside/blindage exterieur