

## MCE 10

### Condenser Microphone



#### FEATURES

- Wide range frequency response
- Hypercardioid polar response provides excellent gain before feedback
- Extremely small size
- Easily interfaces with wireless body-pack transmitters
- Lavalier or instrument mounting capabilities

#### DESCRIPTION

The MCE 10 is a hypercardioid clip-on microphone designed for unobtrusive miking of speech and instruments. It has many uses in broadcast, theatre or for presentation purposes. The MCE 10 is available as various models for cable bound applications or for interfacing with wireless systems.

The MCE 10 condenser microphone has a smooth and wide frequency response and a hypercardioid polar pattern ensures high gain before feedback when in stage applications or public address systems.

#### VERSIONS

MCE 10.09	with bare-ended cable, black	Order # 403.334
MCE 10.16	with 4-pin Lemo-plug, black	Order # 420.379
MCE 10.18	with 4-pin mini XLR plug, black	Order # 471.895
MCE 10.100	with mini jack plug (3.5 mm)	Order # 457.043

#### SUPPLIED ACCESSORIES

MKV 5	Microphone clip	Order # 453.994
PS 10	Wire mesh pop shield	Order # 402.990
WS 10	Polyurethane foam wind shield	Order # 403.008

#### OPTIONAL ACCESSORIES

MFH 5	Microphone holder for flute	Order # 275.298
MGH 5	Microphone holder for violin	Order # 219.037
CVU 16	Pre-amp for phantom powering (for .16 version)	Order # 451.088
CV 18	Pre-amp for phantom powering (for .18 version)	Order # 475.378
ZCV	Battery compartment for CVU 16	Order # 451.096

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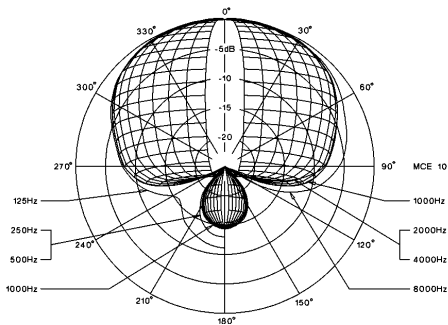
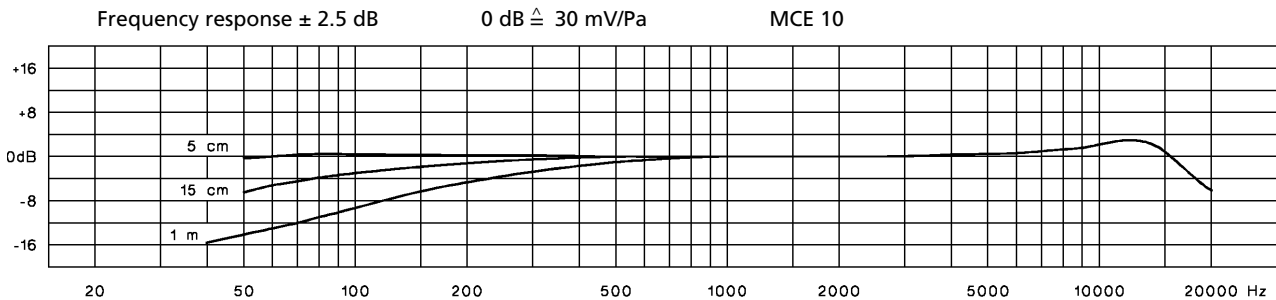
# TECHNICAL SPECIFICATIONS

## with CVU 16 power supply unit

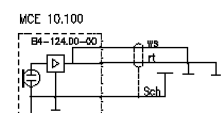
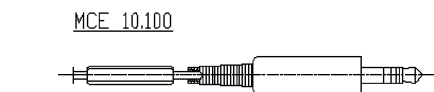
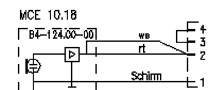
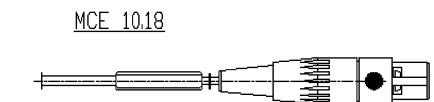
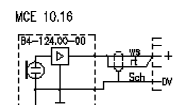
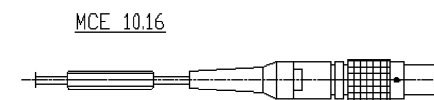
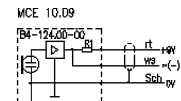
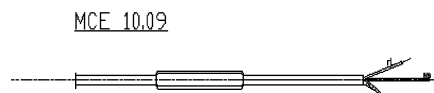
Transducer type	Condenser (back electret)
Operating principle	Pressure gradient
Frequency response	40 - 20,000 Hz
Polar pattern	Hypercardioid
Open circuit voltage at 1 kHz (0 dBV $\hat{=}$ 1V/Pa)	30 mV/Pa = -30 dBV
Nominal impedance	$\leq 200 \Omega$
Load impedance	$\geq 1 \text{ k}\Omega$
Max. SPL at 1 kHz for k = 1%	120 dB
S/N ratio rel. to 1 PA	60 dB
A-weighted equivalent SPL	approx. 26 dB
Dimensions	Length: 21 mm Head diameter: 9 mm
Weight (without cable and plug)	15 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.



# WIRING DIAGRAMS



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