

## Miniature Lavalier Condenser Microphone

### FEATURES

- Extended frequency response
- Extremely small, unobtrusive design
- Omnidirectional polar pattern, independent of frequency
- High sensitivity
- Light weight
- Available in 2 colours
- Battery or phantom powered

### DESCRIPTION

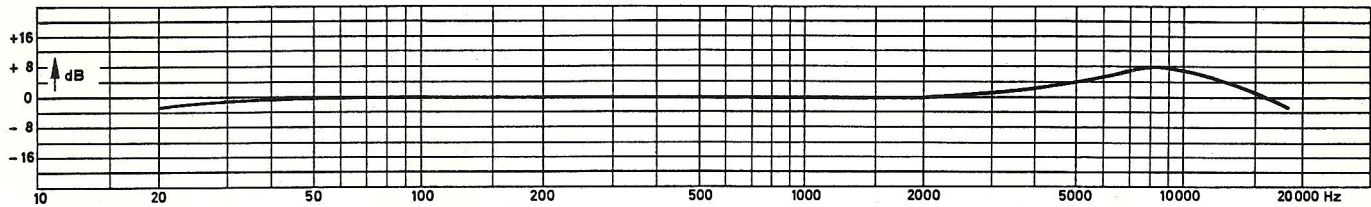
With its small dimensions and its weight of only 1,5 g, the MCE 50 is one of the smallest condenser microphones of its kind. It has the advantage that not only can it be fixed to ones clothes, as is usual, with lavalier microphones, but it can also be discreetly mounted on ones forehead, as is the custom now in many theatrical productions. The MCE 50 is fixed to your clothing by the supplied clip which is attached to the cable not the microphone body, this helps to reduce cable born noise. Also available is a skin coloured version of the MCE 50, the MCE 51.

### APPLICATIONS

Due to its performance and size it can be used without the clip to attach directly to face or hair - ideal for certain theatrical, TV and film applications.

## FREQUENCY RESPONSE CURVE ( $\pm 2.5$ dB)

Measuring distance



## SPECIFICATIONS MCE 50.11/MCE 50.15

Operating principle	Pressure gradient microphone
Polar pattern	Omnidirectional
Frequency response	25-18 000 Hz
Open circuit voltage	12 mV
Nominal output impedance	$\leq 200 \Omega$
Load impedance	$\geq 1 \text{ k}\Omega$
Max. SPL for THD	120 dB/MCE 50.11
$\leq 1\%$ at 1 kHz	123 dB/MCE 50.15
Signal-to-noise-ratio	approx. 15 $\mu$ Vs
Signal-to-noise-ratio referred to 1 Pa	approx. 58 dB
A-weighted equivalent SPL	approx. 28 dB
Supply voltage	int. 5.6 V battery/MCE 50.11 ext. 12-48 V Phantom
Current consumption battery	approx. 1.8 mA/MCE 50.11
Current consumption phantom	approx. 4.8 mA/MCE 50.11 approx. 3.4 mA/MCE 50.15
Wiring	Symmetric
Polarity at pressure increase in front of membrane	Positive on pin 2
Battery	Varta No. 4023 same with PX 23/MCE 50.11
Battery operating-time with one battery	approx. 60 h/MCE 50.11
Case	Black: Durethan BKV 30 Skin coloured: Hostaform
Case finish	Black or skin coloured (MCE 51)
Cable length	3 m/MCE 50.11/1.35 m/MCE 50.15
Weight	1.5 g
<b>MCE 51 as MCE 50 but skin coloured.</b>	
<b>Version MCE 50.14, MCE 51.14 special versions to work only together with the CV 15 N (C) L, TS 42 and TS 190.</b>	

## FURNISHED ACCESSORIES/ OPTIONAL ACCESSORIES

### MCE 50.11 N (C) PV

Case	Black, imitation leather
Mic clip	MKV 50

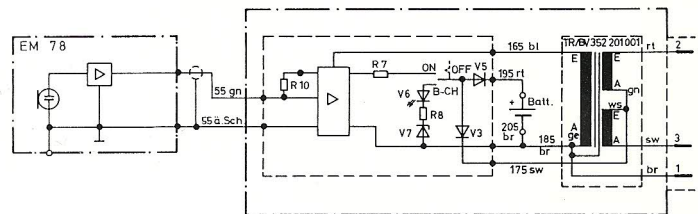
### MCE 50.15 N (C)

Case	Black, imitation leather
Mic clip	MKV 50 and MHV 5
Battery	Varta No. 4023

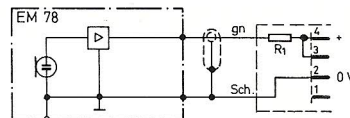
## WIRING DIAGRAMS

Positive pressure produces positive voltage on red cable lead (+).

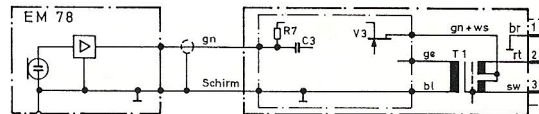
### MCE 50.11 N (C) PV



### MCE 50.14

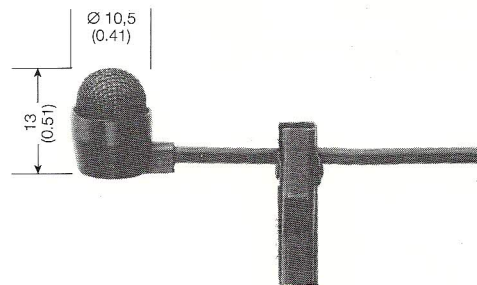


### MCE 50.15 N (C)



## DIMENSIONS

In millimeters (inches in brackets)



Your dealer

Subject to change without notice