



## M 297

### Studio Condenser Microphone with wide cardioid polar pattern

The microphone M 297 is in addition to the metal diaphragm microphone family which includes M 294/ 295 and M 296. The reliable microphone capsule M70 form a unit with the modified microphone preamplifier MV 200. These microphones are designed for universal applications in professional recording and sound reinforcement and meet the requirements of modern technology. The newly developed, transformerless circuit design substitutes the previous transformer for a symmetrical output stage. Its intrinsic noise and remarkable output capability emphasize the advantages of the microphone capsule M70. Microphone capsule with an extremely thin metal diaphragm enable brilliant sound transmission.

The direction of maximum sensitivity is axial. The studio microphones are equipped with a wide range of accessories for many microphone mounting methods. It is possible to activate a 10 dB attenuator pad for handling very high sound pressure levels. A sensitivity reduction for low frequencies can be utilized to suppress the proximity effect. The two switches are sunk into the middle of the preamplifiers. The microphones are equipped with a standard 3-pin XLR connector fitting to a microphone cable, e.g. C70. The operation voltage is provided by 48V phantom powering according to the international standards DIN45596 and IEC268-15. They are available in a satin nickel or a black matt finish.



## Delivery

Microphone M 297 in wooden case L x B x H 210 x 68 x 50 mm

satin nickel

Order-No. 2111122

black matt

Order-No. 2111123

## Technical Specifications

Polar pattern		wide cardioid
Acoustical operating principle		Pressure gradient transducer
Frequency range		40 ...20000 Hz
Sensitivity at 1kHz		15 mV/Pa
Switch position „reduced bass roll-off“ at 60 Hz“		-18 dB
Rated impedance		150 Ohm
Equivalent loudness level	CCIR 468-4	25 dB
Due to inherent noise	DIN EN 60651	15 dB-A
Signal-to-noise-ratio	CCIR-weighted	69 dB
(re 1 Pa at 1kHz)	A- weighted	79 dB
Max. SPL for THD $\leq$ 0,5%		133 dB
with 10dB preattenuation		143 dB
Total dynamic range		118 dB
Current consumption (P 48, DIN 45596, IEC 268-15)		3 mA
Output connector		3-pin XLR connector goldplated contacts
Weight		160 g
Dimensions (L x Ø)		166 x 21 /25 mm

### Frequency response

