

**SEIT 1928**KONDENSATORMIKROFONE  
FÜR STUDIO - UND MESSTECHNIK**MICROTECH GEFELL**

## M 296

### Studio Condenser Microphone with omni-directional polar pattern

The M 296 condenser microphone is an addition to the metal diaphragm microphone family which includes the M 294 / M 295. Based on the nearly linear frequency response of the transmission factor up to 20 kHz it guarantees orthophonic recordings in the near and far field as well as recordings of high sound levels.

It is designed for professional applications in radio and television broadcasting, sound studios, concert halls, theatres and for high-quality recordings of all genres.

The direction of maximum sensitivity is axial. The stable capsule contains a large diameter metal diaphragm similar to our reliable measuring microphone cartridges regarding its construction as a pressure transducer. Capsule and impedance converter are a single unit.

The transformerless microphone preamplifier shows a high output capability and has a symmetrical output stage. A 10 dB preattenuation pad and the bass roll-off extend the application range. The two switches are sunk into the middle of the preamplifier.

The microphone is equipped with a standard 3-pin XLR connector fitting to a microphone cable, e.g. C 70. The operation voltage is provided by 48 V phantom powering according to the international standards DIN 45596 and IEC 268-15.

A special version -the M 296 S- is available for measurement applications. Its frequency response complies with DIN IEC 651 for Class 2 sound level meters.

The microphone is available in a satin nickel or a black matt finish.

#### Delivery

Microphone M 296 in wooden case      L x B x H 210 x 68 x 50 mm

satin nickel

Order-No. 211134

black matt

Order-No. 211135

#### Accessories, optional

Windscreen, anthrazit	W 71	Order-No. 202405
Popscreen, black	PO 70	Order-No. 600018
Microphone holder, Ø 21 mm, satin nickel	MH 64	Order-No. 202302
Microphone holder, Ø 21 mm, black matt	MH 64	Order-No. 202305
Elastic suspension, satin nickel	EA 20	Order-No. 202308
Elastic suspension, black matt	EA 20	Order-No. 202311
Elastic suspension, satin nickel	EH 93	Order-No. 202327
Elastic suspension, dark bronze	EH 93	Order-No. 202328
Table stand, satin nickel	TS 64	Order-No. 212303
Table stand, black matt	TS 64	Order-No. 212308
Gooseneck, black	ME 90	Order-No. 202324
Power supply	N 200	Order-No. 202101
Connection cable	C 70	Order-No. 202212



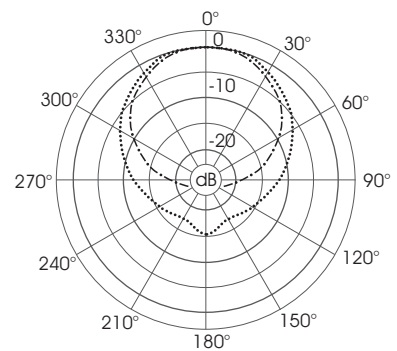
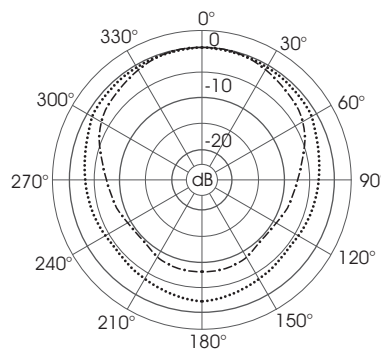
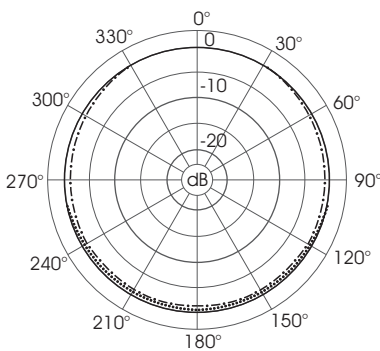
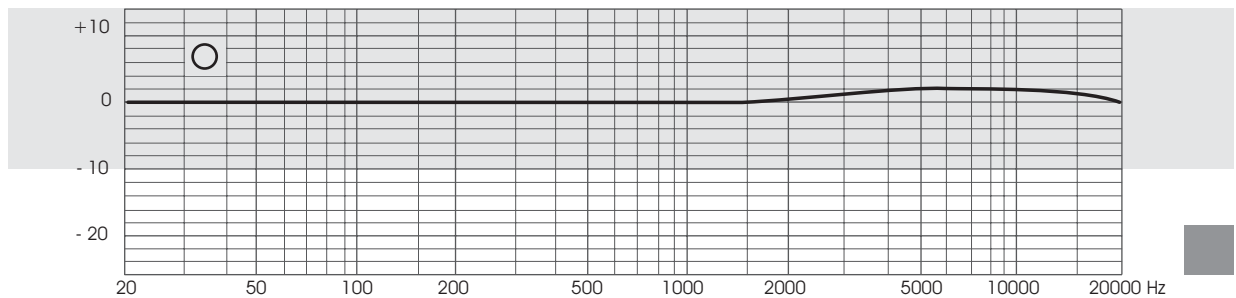
# Specifications M 296

CE Certificate

Condenser studio microphone with omnidirectional polar pattern

Polar pattern		omni
Acoustical operating principle		Pressure transducer
Frequency range		20 ... 20000 Hz $\pm$ 2,5 dB
Sensitivity at 1 kHz		15 mV/Pa
Switch position "reduced bass roll-off" at 90 Hz		-10 dB
Rated impedance		150 $\Omega$
Equivalent loudness level due to inherent noise	CCIR 468-4	22 dB
	DIN EN 60 651	14 dB - A
Signal-to-noise-ratio (re. 1 Pa at 1 kHz)	CCIR-weighted	72 dB
	A-weighted	80 dB
Max. SPL for THD $\leq$ 0,5 %		134 dB
with preattenuation		144 dB
Total dynamic range		120 dB
Current consumption (P 48, DIN 45596, IEC 268-15)		3 mA
Output connector		3-pin XLR connector goldplated contacts
Weight		157 g
Dimensions (L x $\varnothing$ )		156 mm x 21/24 mm

dB Frequency response M 296



— 500 Hz  
 ..... 1 kHz  
 - · - · 2 kHz

..... 4 kHz  
 - · - · 8 kHz

..... 12,5 kHz  
 - · - · 16 kHz