

# MICROTECH GEFELL


microphones & acoustic systems - founded 1928 by Georg Neumann



## M 1030

### STUDIO CONDENSER MICROPHONE

with  
Phantom powering P 48 V

- Extreme dynamic range
- Noise floor 7 dB-A
- Large diaphragm capsule
- Polar pattern 
- Universal applications
- Advanced circuit design
- Transformerless output
- Internal elastic suspension
- Optical ready indicator



# M 1030

## STUDIO CONDENSER MICROPHONE

High output level and exceptionally low noise

### M 1030 with cardioid directional pattern

The studio condenser microphone M 1030 combines modern large diaphragm capsule technology with the latest in semiconductor circuit topology. The size of the microphone housing is optimized with regard to the expectations of a large diaphragm microphone for studio applications. The microphone is specifically designed to meet the needs of professional and semi-professional users who demand the highest performance.

The microphones are ideally suited for universal miking applications in broadcast and sound studios. Applications include vocalists, announcers, dialog pickup and as spot microphones for recording guitars, keyboard, percussion, wind and string instruments.

The pick-up pattern is perpendicular to the direction of the microphone axis (side addressed). The model number and pick-up pattern symbol mark the front of the microphone. The green light-emitting diode (LED) inside the protection grid operates as optical ready indicator.

The condenser capsule exhibits a smooth frequency response with a slight presence boost in the 8 to 14 kHz range. The polar response exhibits an exceptionally high degree of rejection for sounds impinging from the rear of the microphone. The electronic impedance converter uses a newly perfected circuit topology. This design reduces the noise floor to an extremely low level while also raising the maximum output capability. As a result, this microphone have a clean, distortion free sound over an extremely wide dynamic range. RFI susceptibility is very low. The microphone capsule and electronics are elastically suspended inside the compact metal housing. This reduces the sensitivity to mechanical impact and structure born noise. The microphone stand holder MH 93.1 can be exchanged for an elastic suspension EA 92 with the adaptor A 93 to further attenuate noise in extreme situations. The M 1030 connect to the microphone cable with a standard 3-pin XLR plug. Powering must be provided by an external 48 V phantom supply according to IEC 61938.

The microphone is finished in satin nickel.

## DELIVERY

Microphone **M 1030** with  
the microphone holder MH 93.1  
in a wooden case

l x d x h 250 x 175 x 110 mm

satin nickel

Order-No. 2111121



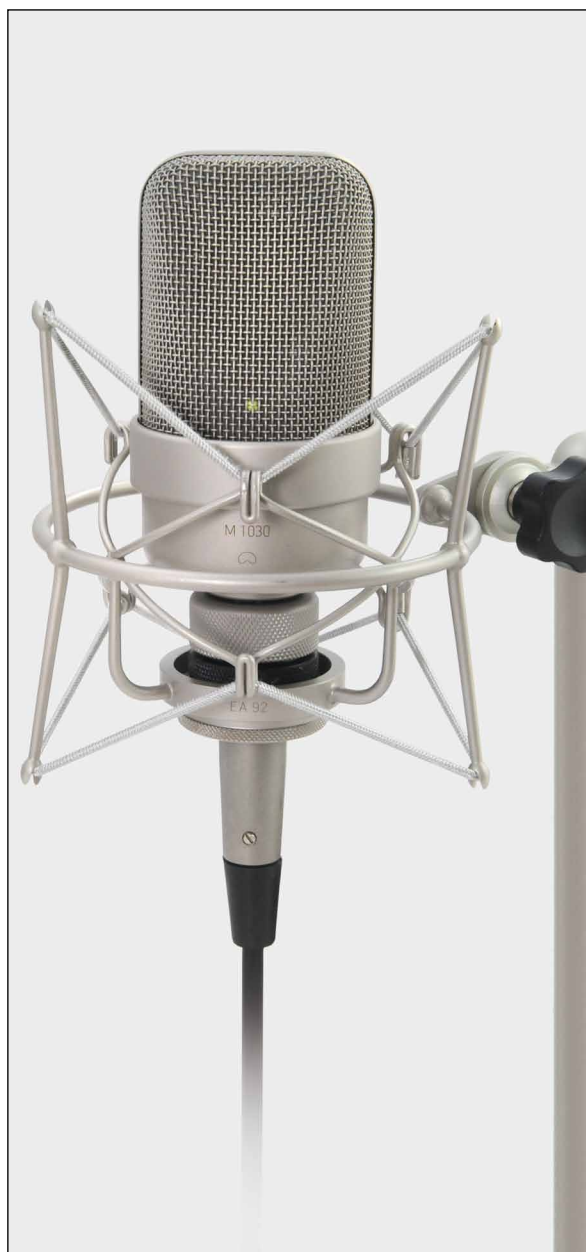
M 1030 satin nickel

## ACCESSORIES optional

Windscreen, anthracite	W 93	Order-No. 202415
Popscreen, black	PO 70	Order-No. 600018
Elastic suspension, satin nickel	EA 92	Order-No. 202312
Adaptor for EA 92, satin nickel	A 93	Order-No. 202354
Connection cable, 3-pin XLR plug	C 70.1	Order-No. 202212

## MOUNTING

M 1030 with adaptor A 93 and elastic suspension EA 92



## ASSEMBLING

M 1030 with adaptor A 93 and elastic suspension EA 92



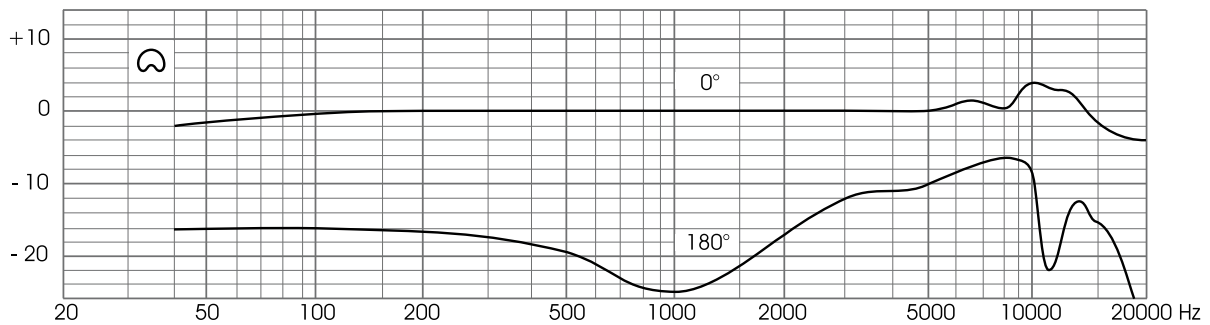
# TECHNICAL SPECIFICATIONS M 1030

CE Certificate

Polar pattern		Cardioid
Acoustic operating principle		Pressure gradient transducer
Frequency range		40 ... 20000 Hz
Sensitivity at 1 kHz		21 mV/Pa
Output impedance		100 Ω
Noise level	CCIR 468-4	13 dB
	DIN EN 60268-4	7 dB-A
Signal-to-noise ratio	CCIR-weighted	81 dB
(re 1 Pa at 1 kHz)	A-weighted	87 dB
Max. SPL for K < 0,5 %		142 dB
Max. output level	RL= 1 kΩ	17 dBu
	RL= 10 kΩ	18 dBu
Dynamic range of electronics		135 dB
Current consumption (P 48, IEC 61938)		3,6 mA
Output connector		3-pin XLR connector, goldplated contacts
Weight without MH 93.1		355 g
Dimensions (L x Ø)		145 mm x 66 mm
Finish		satın nickel

## DIAGRAMS

dB Frequency responses M 1030



Polar patterns M 1030

