

MICROTECH GEFELL

microphones & acoustic systems - founded 1928 by Georg Neumann



PM 860

CONDENSER MICROPHONE

with cardioid polar pattern

The sound quality of the studio microphone PM 860 are in accordance with the standard of studio quality. A well-balanced frequency response in the free field as well as in the diffuse field and the distinct cardioid characteristic make possible a life-like recording of any sound sources with a good selectivity.

The influence of interference sources such as inherent noise, wind noise and solid-borne sound is reduced by suitable precautions. Microphone capsule and microphone amplifier are a unit adjusted to optimum transmission properties.

The circuitry includes a FET input stage, an integrated circuit, a dc/dc converter circuit for the generation of the polarisation voltage and the output transformer. Two switches permit respectively 10 dB preattenuation for the handling of very high sound pressure levels and a reduction of the sensitivity factor for low frequencies. The latter provides compensation for the proximity effect. The two switches are to be found at the lower end of the microphone body. The high backward attenuation permits an optimum sound reinforcement.

The direction of maximum sensitivity is axial, i.e. endwise to the microphone. The microphone is specially designed as a Vocal Performance Microphone with a good handling.

The PM 860 is equipped with a 3-pin XLR connector for a C 70 microphone cable. The power supply is provided by 48 V phantom powering, which is internationally standardized as P 48 in DIN 45596 and IEC 268-15.

The microphone is available in matt black and white.



PM 860

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DELIVERY

Microphone **PM 860** in wooden case
with microphone holder MH 75

l x d x h 334 x 148 x 76 mm

PM 860 white

Order-No. 2111119

PM 860 black matt

Order-No. 2111120



PM 860 with microphone holder MH 75

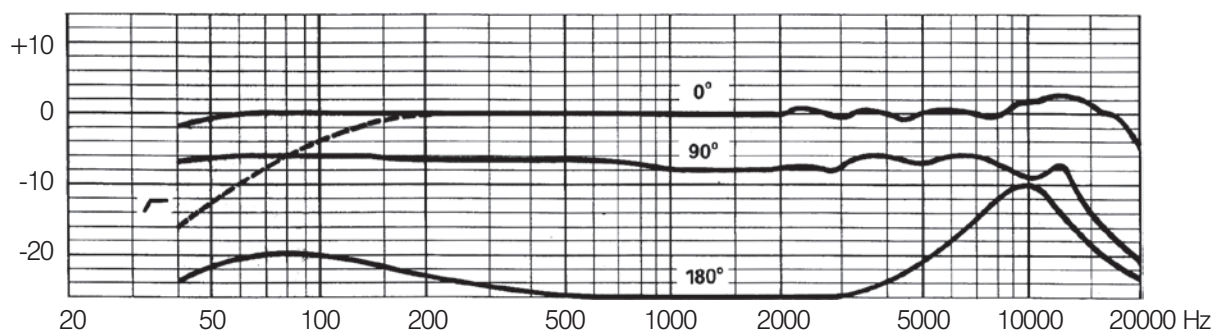
ACCESSORIES optional

Windscreen, anthracite	W 75	Order-No. 202419
Popscreen, black	PO 70	Order-No. 600018
Clamp 22-32 mm, black	MKV 8 (Beyerdynamic)	Order-No. 600014
Elastic suspension 17-29 mm, anthracite	AT 8410 a (Audio Technica)	Order-No. 600004
Connection cable, XLR 3-pin	C 70	Order-No. 202212
Power supply, P 48 V	N 200	Order-No. 202101

TECHNICAL DATA

Polar pattern	Cardioid	
Acoustical operating principle	Pressure gradient transducer	
Frequency range	30 ... 20000 Hz	
Switch position „reduced bass roll-off” at 60 Hz	-10 dB \pm 1 dB	
Sensitivity	13 mV/Pa \pm 1 dB	
Rated impedance	200 Ω	
Nominal load impedance	1 k Ω	
Equivalent loudness level	CCIR 468-4	25 dB
due to inherent noise	IEC 651	16 dB-A
Signal-to-noise ratio	CCIR-weighted	69 dB
(re 1 Pa at 1 kHz)	A-weighted	78 dB
Max. SPL for THD \leq 0,5 %	122 dB	
with 10 dB preattenuation	132 dB	
Total dynamic range of the microphone preamplifier	106 dB	
Current consumption	2 mA	
(P 48, DIN 45596, IEC 268-15)		
Output connector	3-pin XLR connector, goldplated contacts	
Weight	280 g	
Dimensions (L x \emptyset)	240 mm x 42/25 mm	

FREQUENCY RESPONSE



POLAR PATTERN

