

# KM 184

## MINIATURE CONDENSER MICROPHONE

Designed for critical recording and live-sound applications, the KM 184 is a small diaphragm, cardioid condenser microphone. Its capsule and electronics are identical to those of the KM 140. By omitting the -10dB pad switch and making the KM 184 cardioid only (no interchangeable capsules), we are able to offer a microphone that provides maximum performance and that glorious “Neumann Sound” at a price much lower than previously possible. The KM 184 can handle sound pressure levels of 138dB before overloading, making it particularly useful for percussion, cymbals, hi-hats, and brass instruments. It is also extremely quiet (16dB A-weighted self-noise), making it excellent for capturing the subtle nuances of acoustic guitar and orchestral performances.

The KM 184 package includes the SG 21/17 stand adapter and WNS 100 Windscreen.



Directional patterns	Cardioid	
Acoustic operating principle	Pressure gradient transducer	
Frequency range	Hz	20 - 20,000
Sensitivity <sup>1)</sup>	mV/Pa	12 (-36.2dBu=+38.4dBv)
Rated impedance	ohms	50
Equivalent loudness level due to inherent noise		
DIN 45 405 CCIR 468-3	dB	25
DIN/IEC 651	dB-A	16
S/N ratio re 1 Pa at 1 kHz		
CCIR	dB	69 (S/N=94dB - equiv. noise)
A-weighted	dB-A	78
Max. SPL for less than 0.5% THD <sup>2)</sup> without pre-attenuation	dB	138
Total dynamic range of the microphone amplifier <sup>3)</sup>	dB	122
Power consumption <sup>4)</sup>	mA	2
Weight	g	80
Dimensions		
diameter	mm	22
length	mm	107

<sup>1)</sup> at 1kHz into 1 kOhm load impedance. 1Pa  $\hat{=}$  94dB SPL

<sup>2)</sup> THD of microphone amplifier at an input voltage equivalent to the capsule output at the specified SPL is applied

<sup>3)</sup> Referred to DIN/IEC 651 A-Weighted equivalent loudness level. Total dynamic range equals max. SPL minus equiv. noise

<sup>4)</sup> 48 V  $\pm$  4 V phantom powered (P 48 according to DIN 45596/IEC 8 15)

