

# 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><br>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)

