



Transparency



Amplitude



Power



No Feedback





The microphones for a lifetime!

With the **KMS 104 plus**, Neumann is presenting a new mic in the series of Neumann stage microphones, which have now become established worldwide. It has a cardioid directional characteristic, an extremely transparent sound for optimal intelligibility of the lyrics, and maximum reliability with respect to feedback, to ensure a secure, flawless stage performance.

In comparison with the **KMS 104** and **KMS 105**, the acoustic properties of the bass range have been redefined. In close cooperation with professional musicians, with the aid of extensive practical tests, the **KMS 104 plus** has been especially optimized for the requirements of female voices in the rock and pop field.

The studio condenser capsules used in all microphone versions provide the basis an extremely transparent sound and optimal intelligibility of the lyrics. In comparison with other handheld microphones, which operate mostly with dynamic capsules, the KMS series has a particularly high acoustic transparency, a wide frequency range and a fine resolution of transients.

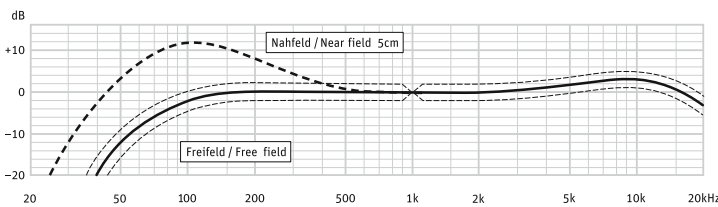
There is no need for concern about exposing valuable equipment to the rough working environment of the stage: The housing, grille, capsule and electronics are suitably robust. The KMS microphones, with a matching stand clamp, are supplied in an attractive padded nylon bag that is sufficiently durable for touring.

Technical Data KMS 104 / KMS 104 plus / KMS 105			
Acoustical operating	Pressure gradient transducer	Maximum SPL for THD 0.5% ²⁾	150 dB
Directional pattern	Cardioid/cardioid/supercardioid	Maximum output voltage	12 dBu
Frequency range	20 Hz...20 kHz	Dyn. range of the mic. amplifier (A-weighted)	132 dB
Sensitivity at 1 kHz into 1 kohm	4.5 mV/Pa	Supply voltage (P48, IEC 1938)	48 V ± 4 V
Rated impedance	50 ohms	Current consumption (P48, IEC 1938)	3.5 mA
Rated load impedance	1 kohms	Matching connector	XLR3F
Equivalent noise level, CCIR ¹⁾	28 dB	Weight approx.	approx. 300 g
Equivalent noise level, A-weighted ¹⁾	18 dB-A	Diameter	48 mm
Signal-to-noise ratio, CCIR ¹⁾ (rel. 94 dB SPL)	66 dB	Length	180 mm
Signal-to-noise ratio, A-weighted ¹⁾ (rel. 94 dB SPL)	76 dB		

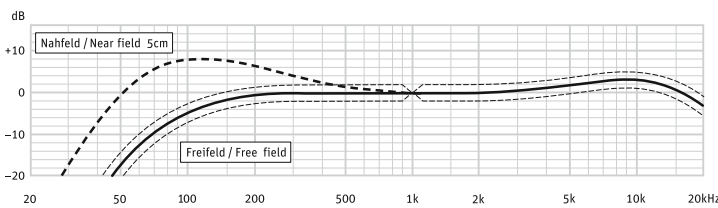
1) according to IEC 60268-1; CCIR-weighting according to CCIR 468-3, quasi peak; A-weighting according to IEC 61672-1, RMS 2) measured as equivalent el. input signal

New: Optimal for female vocals!

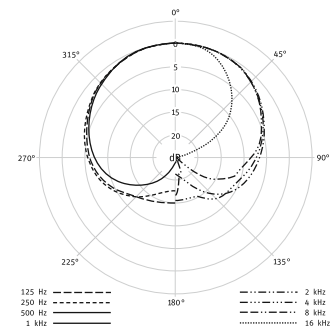
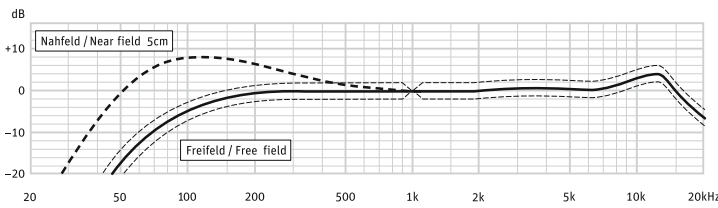
KMS 104 plus



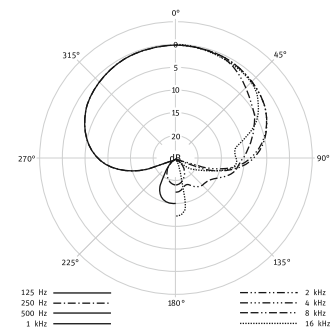
KMS 104



KMS 105



KMS 104 / KMS 104 plus



KMS 105

