MICROPHONES

NEUMANN KMS105 CARDIOID CONDENSER VOCAL MICROPHO



The KMS 105 microphones has been developed to optimally transmit the human voice with respect to the demanding conditions present on the live stage. The KMS series has become the internationally acknowledged standard for first-class stage microphones. The high acoustic resolution and smooth frequency response of the microphones ensure that the musician has optimal control of the stage performance at all times. Especially due to their low self-noise and crosstalk behavior which is free of coloration, the KMS microphones are ideal for use with in-ear monitoring systems. The KMS 105 is particularly good at suppressing sounds originating from the entire 180 hemisphere behind the microphone.

Since vocal microphones are typically addressed at close range, for the bass frequency response of the microphones, electronic compensation is used for the proximity effect in the respective capsules. In addition, the microphone has an invariable, built-in high-pass filter with a cutoff frequency of 120 Hz (ê3 dB, measured in a free sound field). The dynamic range of the KMS microphones is 132 dB, and the maximum sound pressure level is 150 dB. The low self-noise level of only 18 dB A permits the microphones to be used at high gain levels without the risk of additional noise. Even at large distances, the microphones thus operate with a high signal-to-noise ratio, facilitating the freedom of movement and creativity that are important to the artist. Due to the transformerless output circuit, the microphone signals can be transmitted even through long cables without loss of sound.





Features:
• Neumann sound on stage
• Excellent transparency for vocals/speech
• Supercardioid polar pattern with excellent feedback rejection
• Transformerless output Applications:
• Theatre
• Rock n Roll
• Live Event
• Houses of Worship
• Leisure Facilities

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