

ECM-100N

Omni-directional Electret Condenser
Microphone



Overview

The Sony ECM-100N is an Omni-directional electret condenser microphone ideal for instrument recording in studio and compatible with High-Resolution Audio. Equipped with a newly developed microphone capsule, the ECM-100U delivers flat and wide frequency response of 20 to 50,000 Hz and picks up the raw sound echoing in space.

Features

Newly developed small diaphragm microphone capsule with Omni-directional characteristics realizes clear and transparent sound in ambient and instrument recording.

The ECM-100N microphone has flat and wide frequency response (20 Hz to 50kHz) and provides superb sound reproduction quality for High-Resolution Audio.

Two-part metallic body structure originally employed in the C-800G microphone prevents acoustic vibration resulting in low noise and clear sound.

Low-Cut filter switch helps eliminate low-frequency noise and proximity effect.

An -10dB pad switch on the ECM-100N microphone provides added headroom and minimizes distortion caused by transient peaks.

Specifications

Audio Section	
Capsule Type	Electret Condenser
Frequency Response	20 Hz to 50 kHz
Directivity	Omni directional
Sensitivity *[1]	-36 dB
Output Impedance *[2]	100Ω±15%, Balanced
Dynamic Range	124 dB or more
Signal-to-Noise Ratio *[3]	73 dB or more

Inherent Noise *[4]	21 dB SPL or less
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Maximum Input Sound Pressure Level *[5]	145 dB SPL
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General Section

Connector	XLR-3-12C (male)
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Mic Cable	XLR 3-pin Cable Required (Not Supplied)
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Power Requirements	DC 44 to 52 V
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Dimensions *[6]	19dia. × 130mm (0.75dia. × 5.12in.)
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Mass	Approx. 130g (4.6oz.)
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Supplied Accessories	Mic holder (1) Wind screen (1) Stand screw adaptor (W3/8 to NS5/8) (1) Operating instructions (1) Carrying case (1)
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Notes

*[1]	0 dB = 1 V/Pa, at 1 kHz
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*[2]	Output impedance at 1 kHz
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*[3]	A-weighted, 1 kHz, 1 Pa.
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*[4]	0dB SPL = 20μPa.
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*[5]	0 dB SPL = 20μPa.
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*[6]	The values for dimensions are approximate.
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Gallery

