

ECM-100U

Uni-directional Electret
Condenser Microphone



Overview

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

Features

Excellent Sound Quality

Newly developed small diaphragm microphone capsule with Uni-directional characteristics delivers authentic sound of instruments with extremely low distortion.

Flat and Wide Frequency Response

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

Noise Elimination Construction

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

Low-Cut filter switch helps eliminate low-frequency noise and

proximity effect.

Pad Switch

An -10dB pad switch on ECM-100U 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	Cardioid
Sensitivity *[1]	-41 dB
Output Impedance * [2]	100Ω±15%, Balanced
Dynamic Range	121 dB or more
Signal-to-Noise Ratio *[3]	73 dB or more
Inherent Noise *[4]	21 dB SPL or less
Maximum Input Sound Pressure Level *[5]	142 dB SPL

General Section

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

Notes

*[1] 0 dB = 1 V/Pa, at 1 kHz

*[2] Output impedance at 1 kHz

*[3] A-weighted, 1 kHz, 1 Pa.

*[4] 0dB SPL = 20μPa.

*[5] 0 dB SPL = 20μPa.

*[6] The values for dimensions are approximate.

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