

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

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

The ECM-100U 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 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.

Gallery

