

# 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.

## Gallery

