

## 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

#### **Excellent Sound Quality**

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

#### **Flat and Wide Frequency Response**

The ECM-100N 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 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
Maximum Input Sound Pressure Level *[5]	145 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.

The values for dimensions are

\*[6]

approximate.

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## Related products



### **C-80**

Uni-directional  
Condenser  
Microphone

## Gallery

