

## 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

## Audio Section

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.
*[6]	The values for dimensions are approximate.

## Related products



### C800GPAC

Studio Tube Condenser  
Microphone PAC



### C-80

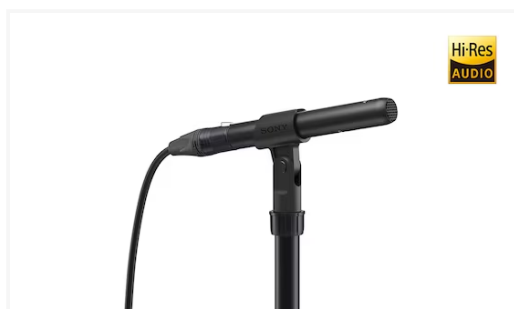
Uni-directional Condenser  
Microphone



### C-800GPAC1

Studio Tube Condenser  
Microphone PAC

## Gallery



© 2004 - 2026 Sony Corporation. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Features and specifications are subject to change without notice. The values for mass and dimension are approximate. All trademarks are the property of their respective owners.