

# C-100

Two Way Condenser Microphone



## Overview

The Sony C-100 is a two way condenser microphone, compatible with High-Resolution Audio, and suitable for vocal and critical instrument recording in the studio. Incorporating newly developed double microphone capsules and noise elimination structure, originally employed in the C-800G microphone, the C-100 delivers a broad frequency range of 20 to 50,000 Hz and excellent reproduction of vocal and musical qualities. The condenser element of the C-100 microphone provides a selectable pick-up pattern (Omni/Uni/Bi) for various recording applications.

## Features

### Excellent Sound Quality

Two-way microphone capsule structure realizes both broad high range and resonant mid-low range and gives great vocal presence.

### Wide Frequency Response

The C-100 microphone has a broad frequency response (20 Hz to 50kHz) and provides superb sound reproduction quality for High-Resolution Audio.

### Noise Elimination Construction

Two-part metallic body structure succeeded from C-800G microphone prevents acoustic vibration resulting in low noise and clear sound.

### Switchable Polar Patterns

The C-100 microphone features switchable uni-directional, omni-directional and Figure-8 polar patterns for various recording applications.

### Low-Cut Filter

Low-Cut filter switch helps eliminate low-frequency noise and proximity effect.

### Pad Switch

An -10dB pad switch on C-100 microphone provides added headroom and minimizes distortion caused by transient peaks.

## Specifications

### Audio Section

Capsule Type 2 Way Microphone (Condenser + Back electret condenser)

Frequency Response 20 Hz to 50 kHz

Uni-directional/Omni-directional/Bi-

Directivity	directional
Sensitivity *[1]	(Uni-directional) -31 dB (Omni-directional) -37 dB (Bi-directional) -35 dB
Output Impedance *[2]	90Ω±15%, Balanced
Dynamic Range	(Uni-directional) 113 dB or more (Omni-directional) 114 dB or more (Bi-directional) 114 dB or more
Signal-to-Noise Ratio *[3]	(Uni-directional) 75 dB or more (Omni-directional) 70 dB or more (Bi-directional) 72 dB or more
Inherent Noise *[4]	(Uni-directional) 19 dB SPL or less (Omni-directional) 24 dB SPL or less (Bi-directional) 22 dB SPL or less
Maximum Input Sound Pressure Level *[5]	(Uni-directional) 132 dB SPL (Omni-directional) 138 dB SPL (Bi-directional) 136 dB or 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]	40dia. × 175mm (1.57dia. × 6.89in.)
Mass	Approx. 290g (10.2oz.)
Supplied Accessories	Cradle suspension (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

