SONY

# C-100

## Two Way Condenser Microphone



Hi-Res AUDIO

## 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 |
| Directivity | Uni-directional/Omni-directional/Bi-directional |
| Sensitivity *[1] | (Uni-directional) -31 dB<br>(Omni-directional) -37 dB<br>(Bi-directional) -35 dB |

| Audio Section | |
|---|---|
| Output Impedance *[2] | 90Ω±15%, Balanced |
| Dynamic Range | (Uni-directional) 113 dB or more<br>(Omni-directional) 114 dB or more<br>(Bi-directional) 114 dB or more |
| Signal-to-Noise Ratio *[3] | (Uni-directional) 75 dB or more<br>(Omni-directional) 70 dB or more<br>(Bi-directional) 72 dB or more |
| Inherent Noise *[4] | (Uni-directional) 19 dB SPL or less<br>(Omni-directional) 24 dB SPL or less<br>(Bi-directional) 22 dB SPL or less |
| Maximum Input Sound Pressure Level *[5] | (Uni-directional) 132 dB SPL<br>(Omni-directional) 138 dB SPL<br>(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 suspention (1)<br>Wind screen (1)<br>Stand screw adaptor (W3/8 to NS5/8) (1)<br>Operating instructions (1)<br>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





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