

## 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
Directivity	Uni-directional/Omni-directional/Bi-directional
Sensitivity *[1]	(Uni-directional) -31 dB (Omni-directional) -37 dB (Bi-directional) -35 dB
Output Impedance * [2]	90Ω ± 15%, Balanced
	(Uni-directional) 113 dB or more

Dynamic Range	(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.)
	Cradle suspension (1) Wind screen (1) Stand screw adaptor (W3/8 to

Supplied Accessories	NS5/8) (1) Operating instructions (1) Carrying case (1)
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## 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 = 20 $\mu$ Pa.
*[5]	0 dB SPL = 20 $\mu$ Pa.
*[6]	The values for dimensions are approximate.

## Related products



### **C-80**

Uni-directional  
Condenser  
Microphone

## Gallery

