SONY

C-80

Uni-directional Condenser Microphone



Overview

Uni-directional condenser microphone suitable for vocal/voice recording. Inheriting the microphone capsule used in the C-100 and using the same material as the C-800G for the diaphragm, this microphone inherits the essence of the predecessors. The dual diaphragm configuration suppresses sound characteristics changes with distance (proximity effect), enabling stable recording/distribution. “Noise Elimination Construction” succeeded from C-800G/C-100 prevents acoustic vibration resulting in low noise and clear sound.

Features

Excellent Sound Quality
A powerful and rich mid-low frequency range provides vocals and voice recordings with a core sound and presence.

Dual Diaphragm Configuration
The dual diaphragm configuration realizes stable recording/distribution by suppressing sound characteristic changes with distance (proximity effect).

Noise Elimination Construction
The two-part metallic body structure succeeded from the C-800G/C-100 microphone prevents acoustic vibration, resulting in low noise and clear sound.

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

Pad Switch
An -10dB pad switch on the microphone provides added headroom and minimizes distortion caused by transient peaks.

Specifications

Audio Section	
Capsule Type	Condenser Microphone
Frequency Response	20Hz～20kHz
Directivity	Uni-directional
Sensitivity *[1]	-30 dB (deviation ±3 dB) (0 dB=1 V/Pa, 1 kHz)
Output Impedance *[2]	90Ω±15%, Balanced
Dynamic Range	More than 125.5 dB

Audio Section	
Signal-to-Noise Ratio *[3]	81.5dB
Inherent Noise *[4]	Less than 12.5 dB SPL (0 dB=2 × 10^{-5} Pa) (IEC* 61672-1 A-Weighted, 1 kHz, 1 Pa)
Maximum Input Sound Pressure Level *[5]	More than 138 dB SPL (output level for 1% waveform distortion at 1 kHz, converted into equivalent input sound pressure level: 0 dB=2 × 10^{-5} Pa)

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]	Approx. 40 mm (1.57 in.) dia. × 158 mm (6.22 in.)
Mass	Approx. 215 g (7.6 oz)
Supplied Accessories	Cradle suspension (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



C-100

Two Way Condenser Microphone



ECM-100U

Uni-directional Electret Condenser Microphone



ECM-100N

Omni-directional Electret Condenser Microphone



C800GPAC

Studio Tube Condenser Microphone PAC



C-38B

Condenser Microphone



C-800GPAC1

Studio Tube Condenser Microphone PAC

Gallery









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