

## 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

Powerful and rich mid-low frequency range provides vocals and voice recordings with a core sound and presence.

#### Dual Diaphragm Configuration

Dual diaphragm configuration realizes stable recording/distribution by suppressing sound characteristics changes with distance (proximity effect).

#### Noise Elimination Construction

Two-part metallic body structure succeeded from C-800G/C-100 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 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<br>(deviation $\pm 3$ dB)<br>(0 dB=1 V/Pa, 1 kHz) |
| Output Impedance *[2] | 90 $\Omega$ $\pm$ 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<br>(0 dB=2 × 10 <sup>-5</sup> Pa)<br>(IEC* 61672-1 A-Weighted, 1 kHz, 1 Pa)  |
| Maximum Input Sound Pressure Level *[5] | More than 138 dB SPL<br>(output level for 1% waveform distortion at 1 kHz, converted into equivalent input sound pressure level: 0 dB=2 × 10 <sup>-5</sup> 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)<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. |

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## Related products



### C-100

Two Way Condenser Microphone



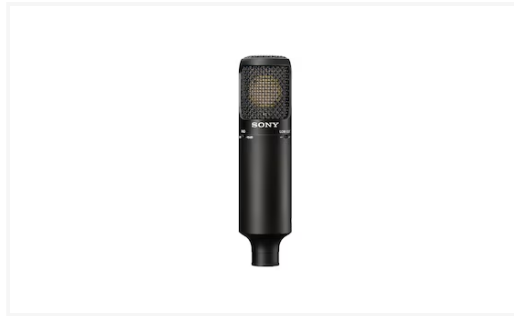
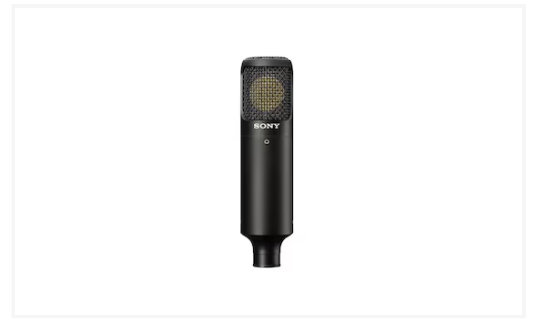
### ECM-100U

Uni-directional Electret Condenser Microphone



### ECM-100N

Omni-directional Electret Condenser Microphone



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