

ECM-322BC

Head Worn Electret Condenser
Microphone



Overview

The ECM-322BC is a head worn microphone, ideal for a variety of multimedia presentation applications ranging from seminars, conferences to lectures and workshops.

Features

Optimum Sound Pickup

Incorporating an omni-directional microphone capsule for reduced pop-and-wind noises, the ECM-322BC head worn microphone delivers a high sensitivity of -43 dB (7.1 mV) (*1) and allows clear voice pickup from any direction.

(*1) 0 dB=1 V/Pa, at 1 kHz

Ear-Clip Style

Featuring an ear-clip style design, the ECM-322BC head worn microphone can be worn on either the left or right ear and provides to user with a comfortable fit.

Adjustable Microphone Position

The slim and flexible microphone boom allows perfect positioning of the ECM-322BC microphone.

Secure and Comfortable Fit

With its soft-texture ear hook, the ECM-322BC head worn microphone is comfortable to wear and fits snugly on the ear,

providing comfort and stability even during the most active presentations.

Compact and Lightweight Design

The ECM-322BC has been designed as a compact and ultra-lightweight head worn microphone, weighing only 15 g (0.5 oz) (*2).

(*2) Excluding the cable

Supplied with a Sony 4-pin connector (SMC9-4P)

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Specifications

Audio Section

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|-------------------------------|-------------------------------------|
| Capsule Type | Electret Condenser |
| Frequency Response | 50 Hz to 18 kHz |
| Directivity | Omni-directional |
| Sensitivity *[1] | -42 dB (7.91 mV) \pm 3 db |
| Output Impedance * [2] | 1.4k Ω \pm 30%, Unbalanced |
| Dynamic Range | 81 dB or more |
| Signal-to-Noise Ratio *[3] | 60 dB or more |
| Inherent Noise *[4] | 34 dB SPL or less |

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| Wind Noise *[5] | 55 dB SPL or less |
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| Maximum Input Sound Pressure Level *[6] | 115 dB SPL |
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General Section

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| Connector | BC type (Supplied with a Sony 4-pin SMC9-4P connector.) |
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| Mic Cable | 3.9 feet 1.2 m |
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| Power Requirements | DC 2 V to 10 V |
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| Power Consumption | 1.3 mA or less |
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| Dimensions *[7] | $\phi 8.4 \times 168$ mm (Mic head) $\phi 11/32 \times 6 5/8$ inches (Mic head) |
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| Mass | Approx. 10 g without connectors Approx. 0.4 oz without connectors |
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| Supplied Accessories | Operating instructions (1) Headband (1) Clip (1) Carrying case (1) |
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Notes

Note

*[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 Pa.

*[5] Wind noise at 2m/s (0 dB SPL = 20 Pa.)

*[6] 0 dB SPL = 20 Pa.

*[7] The values for dimensions are approximate.

Gallery

