

## 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

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 $\Omega$ $\pm$ 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

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

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.

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## Gallery

