

## ECM-44BC

Affordable omni-directional lavalier microphone



### Overview

Sony has produced over five million professional ECM (Electret Condenser Microphones) microphones and the ECM-44 is the affordable, general voice model. It provides good sound quality and is widely used in business presentation systems and TV production. The ECM-44 is available in four versions, featuring different connector types. This model, the ECM-44BC, has a 4-pin locking plug for use with bodypack transmitters that use the SMC9-4P connector.

#### **Convenient to use**

The ECM-44 is an affordable alternative to the traditional hand held microphone and being 'hands free' it allows the presenter to concentrate on her/his performance

#### **Professional image**

Either 'in front of camera' or at a business presentation the ECM-44 creates a professional and tidy image.

#### **Easy to use**

It can often be difficult to achieve good quality voice pick-up but the ECM-44 can help get good results. The microphone's capsule is designed for general voice pick-up with a mid-frequency emphasis characteristic and a suitable frequency response.

## Features

### Tuned for voice pick-up

The ECM-44's capsule features an emphasis curve and a suitable frequency response for voice pick-up.

### Compact size

The capsule has a diameter of only 8.5mm and is 14.5mm long.

### Ready for wireless systems

The ECM-44BC is compatible with bodypack transmitters that use the SMC9-4P connector. It is easy to configure the ECM-44 in an affordable wireless microphone system for use with a Camcorder or in a presentation system.

## Specifications

### Audio Section

Capsule Type	Electret Condenser
Frequency Response	40 Hz to 15 kHz
Directivity	Omni-directional
Sensitivity *[1]	-40.0 dB (10 mV)
Output Impedance * [2]	2.5kΩ±30%, Unbalanced
Dynamic Range	90 dB or more
Signal-to-Noise Ratio *[3]	62 dB or more
Inherent Noise *[4]	32 dB SPL or less

Induction Noise From External Magnetic Field \*[5] 5 dB SPL or less

Wind Noise \*[6] 40 dB SPL or less (with windscreen)

Maximum Input Sound Pressure Level \*[7] 122 dB SPL

## General Section

Connector BC type. Supplied with Sony 4-pin (SMC9-4P) connector

Mic Cable 3.9 feet  
1.2 m

Power Requirements DC 1.1 V to 10.0V

Power Consumption 0.4 mA or less

Dimensions \*[8]  $\phi$ 8.5 x 14.5 mm (Mic head)  
 $\phi$ 11/32 x 19/32 inches (Mic head)  
Approx. 24 g  
Approx. 0.8 oz

Supplied Accessories Urethane type windscreen (1)  
Single/horizontal type tie clip (1)  
Operating instructions (1)  
Mic case (1)

Optional Accessories    Wind screen pack  
Horizontal single-clip pack

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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] 0 dB SPL = 20  $\mu$ Pa.
- \*[5] dB SPL/1E-7 T, 0 dB SPL = 20  $\mu$ Pa.
- \*[6] Wind noise at 2m/s (0 dB SPL = 20  $\mu$ Pa.)
- \*[7] 0 dB SPL = 20  $\mu$ Pa.
- \*[8] The values for dimensions are approximate.

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## Gallery

