

## ECM-44BPT

Affordable omni-directional lapel 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, ECM-44BMP, has a 3.5mm locking jack for use with WRT-805 wireless transmitter.

#### **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.

## 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 *<br>[2]                               | 2.5kΩ±30%, Unbalanced               |
| Dynamic Range   | 90 dB or more                       |
| Signal-to-Noise Ratio<br>*[3]                           | 62 dB or more                       |
| Inherent Noise *[4]                                     | 32 dB SPL or less                   |
| Induction Noise From<br>External Magnetic<br>Field *[5] | 5 dB SPL or less                    |
| Wind Noise *[6]   | 40 dB SPL or less (with windscreen) |
| Maximum Input   |                                     |

Sound Pressure Level 122 dB SPL  
\*[7]

## General Section

Connector No connector (Pigtail)

Mic Cable 9.8 feet  
3 m

Power Requirements DC 1.1 V to 10.0V

Power Consumption 0.4 mA or less

Dimensions \*[8] ø8.5 x 14.5 mm (Mic head)  
ø11/32 x 19/32 inches (Mic head)

Mass Approx. 28 g  
Approx. 1.0 oz

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

Optional Accessories Wind screen pack  
Horiozntal single-clip pack

## Notes

\*[1] 0 dB = 1 V/Pa, at 1 kHz

## Note

\*[2] Output impedance at 1 kHz

\*[3] A-weighted, 1 kHz, 1 Pa.

\*[4] 0dB SPL = 20 Pa.

\*[5] dB SPL/1E-7 T, 0 dB SPL = 20 Pa.

\*[6] Wind noise at 2m/s (0 dB SPL = 20 Pa.)

\*[7] 0 dB SPL = 20 Pa.

\*[8] The values for dimensions are approximate.

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## Gallery

