

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] ϕ 8.5 x 14.5 mm (Mic head)
 ϕ 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

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

Gallery

