

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
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Wind Noise *[6]	40 dB SPL or less (with windscreen)
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Maximum Input Sound Pressure Level *[7]	122 dB SPL
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General Section

Connector	BC type. Supplied with 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 1.1 V to 10.0V
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Power Consumption	0.4 mA or less
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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
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Supplied Accessories	Urethane type windscreen (1) Single/horizontal type tie clip (1) Operating instructions (1) Mic case (1)
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Optional Accessories	Wind screen pack Horizontal single-clip pack
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Notes

Note	<p>*[1] 0 dB = 1 V/Pa, at 1 kHz</p> <p>*[2] Output impedance at 1 kHz</p> <p>*[3] A-weighted, 1 kHz, 1 Pa.</p> <p>*[4] 0 dB SPL = 20 μPa.</p> <p>*[5] dB SPL/1E-7 T, 0 dB SPL = 20 μPa.</p> <p>*[6] Wind noise at 2m/s (0 dB SPL = 20 μPa.)</p> <p>*[7] 0 dB SPL = 20 μPa.</p> <p>*[8] The values for dimensions are approximate.</p>
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Gallery

