

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.

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

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

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

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

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

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 |

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|---|-------------------------------------|
| 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

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|----------------------|---|
| 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] | φ8.5 x 14.5 mm (Mic head) φ11/32 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

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