

ECM-44B

Affordable omni-directional lavalier Electret condenser 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-44B, is the XLR version with power barrel for use as a wired microphone.

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 wired applications

The ECM-44B is the wired version with an XLR output and integral power supply barrel. This version is to be powered internally by battery (LR6 or AA size). A single AA battery will provide several thousand hours of use.

Specifications

| Audio Section | |
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| Capsule Type | Electret Condenser |
| Frequency Response | 40 Hz to 15kHz |
| Directivity | Omni-directional |
| Sensitivity *[1] | -53.0 dB \pm 3 dB |
| Output Impedance * [2] | 250 Ω \pm 20%, Balanced |
| 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 | |

| | |
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| 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 | B type. Supplied with XLR-3-12C (male) connector in power supply unit (single AA size battery) |
| Mic Cable | 9.8 feet 3 m |
| Power Requirements | Phantom Power Not Supported DC 1.5 V (AA size battery) |
| Battery Operating Time | Approx. 6000 h (LR6) |
| Power Consumption | 0.3 mA or less |
| Dimensions *[8] | φ8.5 x 14.5 mm (Mic head) φ20.0 x 126 mm (Power unit XLR type) φ13/16 x 5 inches (Power unit XLR type) |

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| | φ11/32 x 19/32 inches (Mic head) |
| Mass | Approx. 4.3 oz (with power supply unit) Approx. 121 g (with power supply unit) |
| 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] 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

