

ECM-55B

Omni-directional lavalier Electret condenser microphone



Overview

ECM-55B Omni-directional Electret Condenser Lavalier Microphone.

- Supplied power unit with internal battery and male 12 – 48 V phantom supply operation
- Black mic body and cable

Specifications

Audio Section

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|------------------------|----------------------------------|
| Capsule Type | Electret Condenser |
| Frequency Response | 30 Hz to 18 kHz |
| Directivity | Omni-directional |
| Sensitivity *[1] | -52.0 dB \pm 2 dB |
| Output Impedance * [2] | 100 Ω \pm 20%, Balanced |
| Dynamic Range | 98 dB or more |
| Signal-to-Noise Ratio | |

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| *[3] | 66 dB or more |
| Inherent Noise *[4] | 28 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] | 126 dB SPL |
| <h2>General Section</h2> | |
| 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 | DC 1.5 V (AA size battery) or +48 V phantom power |
| Battery Operating Time | Approx. 6000 h (LR6) |
| Power Consumption | Internal battery: 0.3 mA or less External battery: 2 mA or less |

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| Dimensions * ^[8] | <p>φ7/16 X 27/32 inches (Mic head)</p> <p>φ20.0 X 133 mm (Power unit XLR type)</p> <p>φ13/16 X 5 1/4 inches (Power unit XLR type)</p> <p>φ10.6 X 21 mm (Mic head)</p> |
| Mass | <p>Approx. 4.5 oz (with power supply unit)</p> <p>Approx. 126.5 g (with power supply unit)</p> |
| Supplied Accessories | <p>Single/vertical type tie clip (1)</p> <p>Single/horizontal type tie clip (1)</p> <p>Operating instructions (1)</p> <p>Mic case (1)</p> <p>Metak-mesh type windscreen (1)</p> <p>Double/horizontal type tie clip (1)</p> |
| Optional Accessories | <p>Wind screen pack</p> <p>Horizontal single-clip pack</p> |

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

*[7] 0 dB SPL = 20 Pa.

*[8] The values for dimensions are approximate.

Gallery

