

## 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

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 $\Omega$ $\pm$ 20%, Balanced
Dynamic Range	98 dB or more
Signal-to-Noise Ratio	

*[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

## General Section

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

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

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.

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## Gallery

