

## 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]	$\phi$ 7/16 X 27/32 inches (Mic head) $\phi$ 20.0 X 133 mm (Power unit XLR type) $\phi$ 13/16 X 5 1/4 inches (Power

	unit XLR type) φ10.6 X 21 mm (Mic head)
Mass	Approx. 4.5 oz (with power supply unit) Approx. 126.5 g (with power supply unit)
Supplied Accessories	Single/vertical type tie clip (1) Single/horizontal type tie clip (1) Operating instructions (1) Mic case (1) Metak-mesh type windscreen (1) Double/horizontal type tie clip (1)
Optional Accessories	Wind screen pack Horizontal single-clip pack

## 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> <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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## Gallery

