

ECM-77B

Omni-directional electret condenser microphone



Overview

Discreet wired microphone

The ECM77B is a miniature lavalier (tie clip) microphone designed to be inconspicuous. This tiny microphone runs on either phantom power or AA battery operation and comes with an XLR connector. Useful for studio, ENG, and EFP applications.

Hands free microphone

Allows the presenter to concentrate on her/his performance.

Features

Hands free microphone

As a lapel microphone, the ECM-77B is an alternative to the traditional hand held microphone and being hands free it allows the presenter to concentrate on her/his performance

Two-way powering system

AA-size battery or external power supply.

High-performance frequency response

40-20,000 Hz.

Easy and familiar operation

The popularity of the microphone in TV production means that most sound people will be familiar with using the ECM-77.

Specifications

Audio Section

Capsule Type	Electret Condenser
Frequency Response	40 Hz to 20 kHz
Directivity	Omni-directional
Sensitivity *[1]	-52.0 dB \pm 2 dB
Output Impedance * [2]	150 Ω \pm 20%, Balanced
Dynamic Range	90 dB or more
Signal-to-Noise Ratio *[3]	64 dB or more
Inherent Noise *[4]	30 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]	120 dB SPL

General Section

B type. Supplied with XLR-3-12C

Connector	(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]	o5.6 X 12.5 mm (Mic head) o20 X 133 mm (Power unit XLR type) o13/16 X 5 1/4 inches (Power unit XLR type) o1/4 X 1/2 inches (Mic head)
Mass	Approx. 4.3 oz (with power supply unit) Approx. 121.5 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 Vertical clip pack Safety pin type clip pack Horizontal double-clip pack Horizontal single-clip pack ECM-77 accessory kit Colored wind screen kit Black windscreen for ECM-77

Notes

- Note
- *[1] 0 dB = 1 V/Pa, at 1 kHz
 - *[2] Output impedance at 1 kHz
 - *[3] A-weighted, 1 kHz, 1 Pa.
 - *[4] 0dB SPL = 20 Pa.
 - *[5] dB SPL/1E-7 T, 0 dB SPL = 20 Pa.
 - *[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

