

## 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 $\Omega$ $\pm$ 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

## Audio Section

Wind Noise \*[6] 40 dB SPL or less (with windscreen)

Maximum Input Sound Pressure Level \*[7] 120 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] ø5.6 X 12.5 mm (Mic head)  
ø20 X 133 mm (Power unit XLR type)  
ø13/16 X 5 1/4 inches (Power unit XLR type)  
ø1/4 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

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.
- 

Gallery



---

© 2004 - 2026 Sony Corporation. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Features and specifications are subject to change without notice. The values for mass and dimension are approximate. All trademarks are the property of their respective owners.