

## ECM-77BMP

Discrete omni-directional lapel Electret condenser microphone



### Overview

The ECM-77 is probably the most often seen lapel microphone on TV and it is used widely in both studio production and on location. Its popularity is based on a combination of excellent sound quality, robust construction and an attractive cosmetic design. This microphone is the ECM-77BMP which is supplied with a 3.5mm locking jack for use with WRT-805 and UWP series wireless transmitter

- **Hands Free**

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

- **Professional Image**

The ECM-77 is probably the most seen microphone on TV and its compact design creates a professional image.

- **Easy and Familiar Operation**

The ECM-77 is an essential tool for achieving good quality voice recording. The microphone's capsule is designed for voice pick-up with an extended frequency response and impressive sensitivity. The popularity of the microphone in TV production means that most sound people will be familiar with using the ECM-77.

## Features

- **Designed for high quality voice pick-up**

The ECM-77's capsule features a voice emphasis curve, extended frequency response and sensitivity.

- **Minute size**

The capsule has a diameter of only 5.6mm and is 12.5mm long.

- **Ready for wireless systems**

The ECM-77BMP is compatible with the Sony Freedom WRT-805 wireless transmitter, providing high quality wireless microphone systems for video production.

## Technical Specifications

Audio Section	
● Capsule Type	Electret Condenser
● Frequency Response	40 Hz to 20 kHz
● Directivity	Omni-directional
● Sensitivity *[1]	-39.0 dB (11.2 mV)
● Output Impedance *[2]	2.5kΩ±30%, Unbalanced
● 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	
● Connector	BMP type. Supplied with ø3.5 mm, 3-pole mini plug.
● Mic Cable	3.9 feet 1.2 m
● Power Requirements	DC 1.1 V to 10.0V
● Power Consumption	0.4 mA or less
● Dimensions *[8]	φ 5.6 X 12.5 mm (Mic head) φ 1/4 X 1/2 inches (Mic head)
● Mass	Approx. 22.7 g Approx. 0.8 oz
● Supplied Accessories	Single/horizontal type tie clip (1) Metal-mesh type windscreen (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	<p>*[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.</p>

## Accessories

### Battery Power Units



**DC-78**  
Battery power unit for ECM-88, ECM-44 and ECM-77 microphones

### Holder Clips



**SAD-H77B**  
10 x Lavalier Microphone Holder Clips for the ECM-77

### Windscreens



**AD-C77**  
Pack of 12 coloured wind shields for the ECM-77 microphone



**AD-R77B**  
Pack of six black, metal wind shields for the ECM-77 microphone