

ECM-77BMP

Discrete omni-directional lavalier
Electret condenser microphone



Overview

The ECM-77 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 3.5 mm locking jack for use with UWP-D series wireless transmitters.

Hands Free

As a lavalier 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 UWP-D wireless transmitters, providing high quality wireless microphone systems for video production.

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] | ø5.6 X 12.5 mm (Mic head) ø1/4 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) |
| | Wind screen pack Vertical clip pack |

Optional Accessories

- 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 μ Pa
- *[5] dB SPL/1E-7 T, 0 dB SPL = 20 μ Pa
- *[6] Wind noise at 2m/s (0 dB SPL = 20 μ Pa)
- *[7] 0 dB SPL = 20 μ Pa
- *[8] The values for dimensions are approximate.

Related products



UWP-D11

UWP-D bodypack wireless microphone package



UWP-D12

UWP-D handheld wireless microphone package



UWP-D16

UWP-D bodypack and XLR plug-on wireless microphone package

Gallery

