

ECM-77LM

Miniature omni-directional
electret condenser microphone



Overview

Lavalier mic with excellent sound quality, ideal for use with DWT-B03R wireless transmitter

The Sony ECM-77 miniature lavalier microphone is seen in daily use on TV shows around the world, and is an equally familiar sight in both studio-based productions and on location.

A discreet 'hands-free' alternative to handheld microphones, its popularity is due to a combination of excellent sound quality, robust construction and an attractive cosmetic design. The miniature design of the ECM-77 makes it easy to conceal in a stage performer's costume.

The electret condenser microphone's omni-directional capsule is optimised for clear speech pick-up, with an extended frequency response, impressive sensitivity and low handling noise.

Featuring a 3-pin Lemo connector, this ECM-77LM version is an ideal partner for use with the DWT-B03R DWX Series digital wireless microphone bodypack transmitter.

Specifications

Audio Section

Electret Condenser

Capsule Type

| | |
|--|-------------------------------------|
| Frequency Response | 40 Hz to 20 kHz |
| Directivity | Omni-directional |
| Sensitivity ^{*[1]} [7] | -39.0 dB |
| Output Impedance [*] [2] [7] | 6.3k Ω \pm 30%, Unbalanced |
| Dynamic Range | 95 dB or more |
| Signal-to-Noise Ratio ^{*[3]} | 64dB (typ.) |
| Inherent Noise ^{*[4]} | 32 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]} | 127 dB SPL |

General Section

| | |
|-----------|-----------------------|
| Connector | Small 3-pin connector |
|-----------|-----------------------|

| | |
|----------------------|---|
| Mic Cable | 5.25 feet 1.6 m |
| Power Requirements | DC 3.0 V to 10.0V |
| Power Consumption | 0.4 mA or less |
| Dimensions *[8] | φ5.6 X 12.5 mm (Mic head) φ1/4 X 1/2 inches (Mic head) |
| Mass | Approx. 1.5 g (without cable) Approx. 0.053 oz (without cable) |
| 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

*[1] 0 dB = 1 V/Pa, at 1 kHz

*[2] Output impedance at 1 kHz

*[3] IEC 179,A-weighted, 1 kHz, 1 Pa.

Notes

*[4] 0dB = 20 μ Pa

*[5] dB SPL/1E-7 T

*[6] Wind noise at 2m/s (0 dB SPL = 20 μ Pa)

*[7] Vdd : 5.5V, RL : 8.2k Ω

*[8] The values for dimensions are approximate.

Related products



DWT-B03R

DWX Series digital
wireless microphone
bodypack transmitter

Gallery

