

ECM-FT5

Flat-shape Electret condenser lavalier microphone



Overview

The ECM-FT5 is an easy-to-hide flat-shape Electret condenser lavalier microphone delivering excellent sound reproduction in a stylish, ultra-miniature unit. It is also water-resistant and supplied with useful accessories, such as a tie-clip, taping mount and windscreen, making it ideal for a variety of applications where a discreet microphone system is required.

Three versions available

The ECM-FT5BC is supplied with a Sony 4-pin connector (SMC9-4P), for use with DWX and WL-800 Series wireless systems. The ECM-FT5BMP is supplied with a Sony 4-pin (SMC9-4P) connector for use with UWP Series wireless systems. The ECM-FT5B is supplied with a XLR connector.

Features

The slim 4.9-mm profile of the ultra-miniature ECM-FT5 is designed to be easily concealed under clothing, and its sleek contours help prevent noise pick-up from garments.

Unique to Sony, the metal body of Sony's ECM-FT5 offers increased durability and improved audio quality by blocking vibration and resonance. Another advantage of the metal construction is it shields the microphone, blocking RF noise interference.

The ECM-FT5 has a frequency response of 40 Hz to 20 kHz, sensitivity of -43 dB and an inherent noise level of less than 26 dB SPL.

A moisture repellent screen covers the microphone aperture to help prevent sweat and dampness from entering the case.

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A tie clip attaches the microphone to clothing by clipping on a pocket, button-hole or

other suitable parts of a garment. A taping mount can attach the microphone directly to the fabric's surface.

A small windscreen is used to suppress strong wind noise.

The supplied case provides a robust housing for the ECM-FT5 and its accessories.

Specifications

General	
Type	Back electret condenser microphone
Voltage	1.1-10 V
Power consumption	0.2 mA or less
Output connector	ECM-FT5BC: Sony SMC9-4P type ECM-FT5BMP: TRS connector (3.5 dia.) with lock ECM-FT5B: with XLR connector
Dimensions	4.9 x 7.6 x 14 mm (7/32 x 5/16 x 9/16 in.) (microphone unit)
Mass	1.7 g (0.06 oz.) (excluding cable and connector)
Supplied accessories	Wind screen (1), Tie clip (1), Taping mount (1), Carrying case (1), Operating instructions (1)
Performance	
Frequency response	40 Hz to 20 kHz
Directivity	Omni-directional
Output impedance	1.2 kΩ ±20%, unbalanced
Sensitivity	-43 dB (0 dB=1 V/Pa, 1 kHz)
Signal-to-noise ratio	68 dB (typ) (IEC 179 A-weighted, 1 kHz, 1 Pa)
Inherent noise	26 dB SPL (typ) (0 dB=2x10 ⁻⁵ Pa)
Wind noise*	45 dB SPL or less (with wind screen) 65 dB SPL or less (without wind screen)
Maximum input sound pressure level	134 dB SPL (typ) (input level for 3% waveform distortion at 1 kHz, converted into equivalent input sound pressure level: 0 dB=2x10 ⁻⁵ Pa)
Dynamic range	108 dB (typ)
Operating temperature	0 °C to +50 °C (32 °F to 122 °F)
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)

*

Wind noise is the value measured by applying a wind velocity of 2 m/sec. (6.6 ft./sec.) to the microphone from all directions.

The mean value is taken and converted to the equivalent sound pressure level. (0 dB=2x10⁻⁵ Pa)

Design and specifications are subject to change without notice.

Gallery

