

## ECM-FT5

Flat-shape Electret condenser lavalier microphone



### Overview

#### **Omni-directional flat shape lavalier microphone**

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

#### **Flat shape makes it easy to hide**

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.

#### **Durable metal body blocks interference**

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.

### **Professional quality sound reproduction**

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.

### **Water-resistant design**

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

### **Three versions available**

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### **Tie clip and taping mount for attaching to clothing**

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.

### **Windscreen**

A small windscreen is used to suppress strong wind noise.

### **Carrying case**

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

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 k $\Omega$ $\pm$ 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 = 20 $\mu$ 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 = 20 $\mu$ 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 = 20 $\mu$ Pa)

Design and specifications are  
subject to change without notice.

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## Gallery

