



Professional uni-directional Back Electret condenser microphone with exceptional frequency response.

Designed for superb performance in broadcasting, studio recording, and live stage sound systems, the Sony ECM-56F offers smooth and exceptionally wide frequency response—a combination made possible by Sony's newly developed Back Electret condenser capsule.

The ECM-56F Back Electret condenser capsule utilizes an ultra-thin polyester film diaphragm to attain frequency response characteristics which rival those of far costlier condenser microphones.

And a two-way powering system allows operation of the ECM-56F internally, with a 9-volt battery, or externally, using a regular phantom power source.

Special features of the Sony ECM-56F:

Back Electret Condenser Capsule. Utilizing the newly developed Back Electret design, Sony engineers were able to create a condenser capsule delivering extremely wide frequency response and excellent transient response. Attachment of the electret material on the back plate of the condenser capsule allows use of an ultra-thin polyester film as the diaphragm in place of thicker, less sensitive fluorocarbon material. The thinner diaphragm has less mass, giving improved transient characteristics over the entire frequency range of the ECM-56F. And since the surface charge on the film is completely shielded by the metal coating on the diaphragm, electret characteristics become more stable.

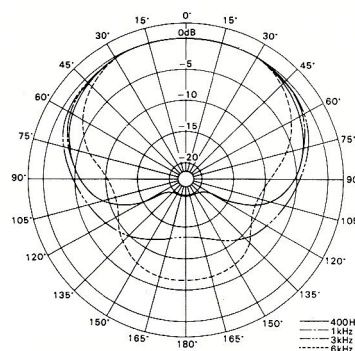
Low-cut Switch. Conveniently located at the center of the ECM-56F, a low-cut switch offers choice of two positions: M, for flat frequency response over a wide range, or V, to eliminate bass accentuation caused by proximity effect when the microphone is operated at close range and also to minimize low-frequency ambient noise, such as that of air conditioners.

External Power System. The ECM-56F is designed to operate from a regular phantom power source such as the Sony AC-148F.

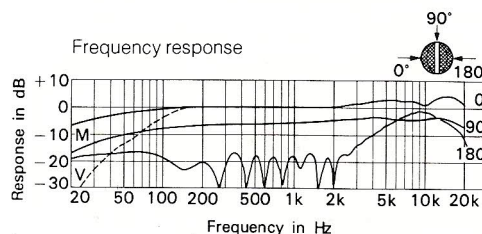
Battery Power. A 9-volt battery will provide stable, dependable power for up to 400 hours of continuous operation.

(continued on reverse side)

Polar pattern



Frequency response



Battery Check Lamp. A bright, steady flash of the Light Emitting Diode used on the ECM-56F's battery check system indicates that at least 30 hours of operation remain before battery must be replaced.

Adjustable angle. The ECM-56F can be quickly and easily adjusted to any angle, from 90 degrees forward to 90 degrees backward, through rotation of the free-lock hinge. Notches on the hinge provide ready reference of the angle selected, so two or more microphones can be fixed at identical angles.

Reduced Vibration. Use of a rubber cushion in the ECM-56F mounting reduces the possibility of vibration transmitted through the microphone stand or housing.

Microphone Specifications

Capsule Type	Back Electret Condenser	Mic Cable Length	20 ft.	
Directivity	uni	Cable Plug Type	XLR-3 Type	
Frequency Response Hz	20~20,000	Power Supply	Phantom	Yes*
Output Impedance	250 ohms		Battery	Yes
Open Circuit Output Level OdB = 1V/10 μ bar @ 1KHz	-54 dB 2.0 mV		Type Equiv.	Eveready 216, E146
Signal to Noise Ratio 1KHz 10 μ bar	66 dB	Dimensions	max. dia.	2"
Maximum Sound Pressure Level SPL	134 dB		length	8 1/4"
Dynamic Range	106 dB	Weight	1 lb. 1 oz.	
Pad	8 dB	Supplied Accessories	Carrying Case	
Equalizer	M, V	Remarks	*AC-148F is available	
Mic Connector	Fixed			

Specifications are subject to change without notice