

Uni-directional Back Electret condenser microphone for professional and semi-professional applications.

The Sony-pioneered Back Electret design makes possible this smaller, more compact uni-directional microphone with remarkably good sound. Ideal for a wide variety of uses, the Sony ECM-33F offers excellent microphone value for its relatively economical cost.

Special features of the ECM-33F:

Back Electret Design. Attachment of the electret material to the back plate of the condenser capsule allows use of an extra-thin polyester film as diaphragm material. The thinner diaphragm has less mass, giving improved transient characteristics over the entire frequency range of the ECM-33F. A Sony exclusive.

Uni-directional Characteristics. Important to today's multi-micing sound pickup systems.

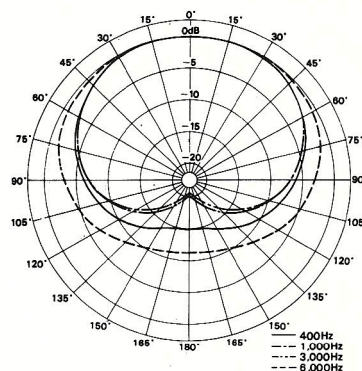
Battery or Phantom Power. For maximum versatility, the ECM-33F may be powered by an external phantom power DC source. In battery operation mode, the ECM-33F will operate for approximately 1,000 hours on a single battery (Eveready 126 or equivalent).

Low-cut Switch. Two positions: M, for use with normal music recording conditions, or V, for voice recording.

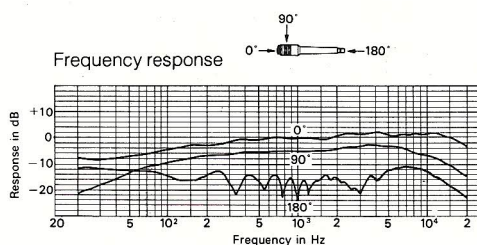
Pad Switch. To prevent overloading in the presence of excessively high level sound sources.

Wind Screen. Designed to be used at all times, the ECM-33F wind screen in no way degrades sound performance.

Polar pattern



Frequency response



Microphone Specifications

Capsule Type	Back Electret Condenser	Cable Plug Type	XLR-3 Type	
Directivity	uni	Power Supply	Phantom	Yes*
Frequency Response Hz	20 ~ 20,000		Battery	Yes
Output Impedance	250 ohms		Type Equiv.	Eveready 126, 206
Open Circuit Output Level OdB = 1V/10 μ bar @ 1KHz	-54 dB 2.0 mV	Dimensions	max. dia.	1 $\frac{1}{4}$ "
Signal to Noise Ratio 1KHz 10 μ bar	66 dB		length	6 $\frac{1}{4}$ "
Maximum Sound Pressure Level SPL	126 dB	Weight	6.5 oz.	
Dynamic Range	98 dB	Supplied Accessories	Carrying Case	
Pad	8 dB		Wind Screen	
Equalizer	M, V		MIC Cable	
Mic Connector	XLR-3 Type		MIC Holder	
Mic Cable Length	20 ft.	Remarks	*AC-148F is available	

Specifications are subject to change without notice

SONY[®]

Professional Audio Products
Sony Industries
9 West 57 Street
New York, N.Y. 10019