



## ECM-VG1

### Electret Condenser Microphone

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The extremely lightweight and newly developed windscreen make this microphone ideal for field sound shooting with compact camcorders or attached to boom poles.

#### Outstanding Sound Quality

The ECM-VG1 is specifically designed for professional field and studio production applications at an affordable price. It offers a flat-and-wide frequency response (40 Hz to 20 kHz), excellent sensitivity of -33 dB (0 dB=1 V/Pa), and a low inherent noise level of less than 18 dB SPL. It delivers exceptionally smooth and natural sound reproduction.

#### Compact and Extremely Lightweight Design with Metal Body

Designed as an extremely lightweight shotgun microphone, the ECM-VG1 maintains good balance even when mounted on compact camcorders.

- Weight: 2.3 oz (66 g), 3.2 oz (92 g) with windscreen
- Length: 8 3/8 inches (210 mm), 9 1/8 inches (230 mm) with windscreen

#### Built-in Low-cut Filter

The built-in two-position (M, V) low-cut switch provides a simple method of reducing the effects of unwanted ambient noise.

#### External DC (40 to 52 V) Operation

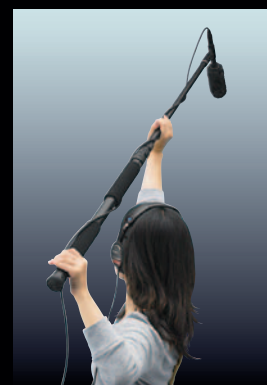
The ECM-VG1 provides an electronically balanced output operation on 48 V standard external power.

#### Newly Developed Windscreen

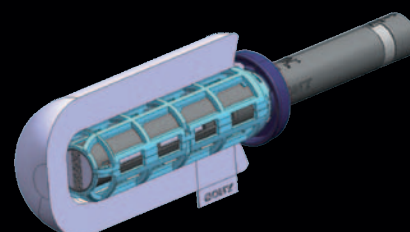
The ECM-VG1 comes with a newly developed windscreen. An internal frame fixes the windscreen rigidly, making a space between the microphone and the outside part of the windscreen. It suppresses strong wind noise and protects the ECM-VG1 from the contact noise that is typical in harsh operational environments such as outdoor applications.



Mounted on professional camcorders



Attached to a boom pole



Internal structure of the Windscreen

## Specifications

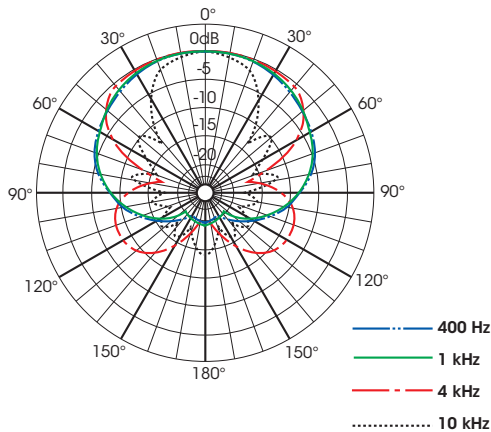
ECM-VG1	
Capsule type	Electret condenser
Directivity	Super cardioid
Frequency response	40 Hz to 20 kHz
Sensitivity (at 1 kHz)	-33dB*1±3dB
Output impedance (at 1 kHz)	600+20%
Dynamic range	109dB or more
Signal-to-noise ratio (IEC179 A-weighted, 1 kHz, 1Pa)	76dB or more
Inherent noise	18dBSP <sup>*2</sup> or less
Wind noise	45dBSP <sup>*2</sup> or less with windscreen
Induction noise from external magnetic field	0dBSP <sup>*2</sup> or less
Maximum input sound pressure level	127dBSP <sup>*2</sup> or more
Power requirements	DC 40 to 52 V
Dimensions	ø13/16 x 8 3/8 inches (ø20 x 210 mm)
Weight	Approx. 2.3 oz (66 g)
Supplied accessories	Windscreen (1), Microphone holder (1), Microphone spacer (1), Stand adaptor (2), Operating instruction (1), Warranty booklet (1)

\*1: 0dB=1 V/Pa, at 1 kHz    \*2: 0dBSP=20µPa

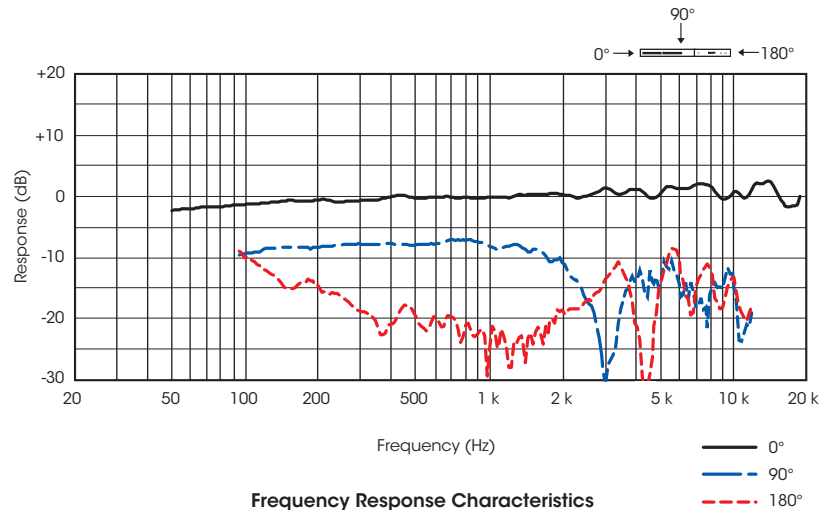
## Supplied Accessories



## ECM-VG1



Directivity Characteristics



Frequency Response Characteristics

The ECM-VG1 is produced at Sony / Taiyo Corporation, which has received ISO14001 Environmental Management Certification.



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Sony Electronics Inc.  
1 Sony Drive  
Park Ridge, NJ 07656  
sony.com/proaudio

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