

ECM-VG1

Electret Condenser Microphone

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Extremely Lightweight, Equipped with a Newly Developed Windscreen Making It Ideal for Field Sound Shooting with Compact Camcorders or 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.

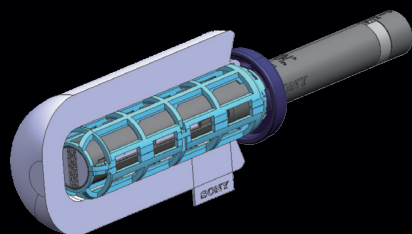
- Weight: 66 g (2.3 oz), 92 g (3.2 oz) with windscreen
- Length: 210 mm (8 3/8 inches), 230 mm (9 1/8 inches) with windscreen

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.



Internal structure of the Windscreen

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

Specifications

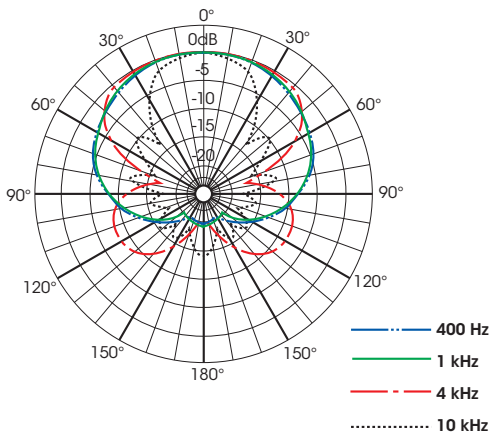
ECM-VG1	
Capsule type	Electret condenser microphone
Directivity	Super cardioid
Frequency response	40 Hz to 20 kHz
Sensitivity (at 1 kHz)	-33dB *1±3dB
Output impedance (at 1 kHz)	60Ω±20%
Dynamic range	109dB or more
Signal-to-noise ratio (IEC179 A-weighted, 1 kHz, 1Pa)	76dB or more
Inherent noise	18dBSP ^{*2} or less
Wind noise	45dBSP ^{*2} or less with windscreen
Induction noise from external magnetic field	0dBSP ^{*2} or less
Maximum input sound pressure level	127dBSP ^{*2} or more
Power requirements	DC 40 to 52 V
Dimensions	ø20 x 210 mm (ø13/16 x 8 3/8 inches)
Mass	Approx. 66 g (2.3 oz)
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

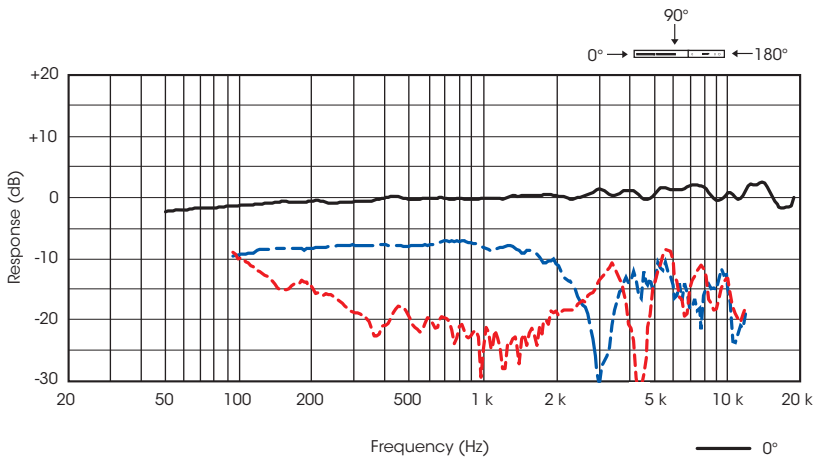
Supplied Accessories



ECM-VG1



Directivity Characteristics



Frequency Response Characteristics

Distributed by

MK10777V2OH811MAR

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The ECM-VG1 is produced at Sony / Taiyo Corporation, which has received ISO14001Environmental Management Certification.

