



C-38B

Condenser Microphone

OUTLINE

The Sony C-38B is an all-purpose, large diaphragm microphone with a proven track record of reliability in broadcast production, music recording studios, or wherever circumstances demand a combination of powerful performance, versatile operation and simplicity of microphone setup. Ideal for vocal and instrument recording, this microphone is particularly adept at handling loud instruments such as percussion and wind instruments.

The condenser element of the C-38B microphone provides dual switchable, omni-directional to uni-directional polar patterns, providing control over the pickup angle for flexibility in any recording scenario. A low-cut filter switch helps eliminate low frequency noise, and an -8dB PAD switch maximizes gain and reduces distortion noise.

With its established performance record, the C-38B microphone continues to be the reliable, affordable choice of recording engineers around the world.

FEATURES

Switchable Polar Patterns

The C-38B microphone features switchable omni-directional and uni-directional polar patterns for maximum flexibility and control over pickup angle.

Function Select Switch

Just below the directivity switch, a function select switch allows quick adjustment of the C-38B microphone through five positions: OFF; M (full range response); M₁ (slight low frequency attenuation); V₁ (low frequency attenuation); and V₂ (severe low frequency attenuation).

Broad Dynamic Range

An improved amplifier gives the C-38B a dynamic range of greater than 116dB, with flat frequency response and sharp directional characteristics in both uni-directional and omni-directional modes.

Phantom Power System

In addition to internal battery power, the C-38B microphone is compatible for use with standardized 48V phantom powering.

Low-Cut Filter

The C-38B microphone's low-cut filter switch helps eliminate low-frequency noise and proximity effect.

Pad Switch

An -8dB PAD switch on the C-38B microphone provides added headroom and minimizes distortion caused by transient peaks.

FET Output Stage

The FET output stage of the C-38B microphone delivers high signal gain and low noise floor for superb sound quality.

Vibration Resistant Construction

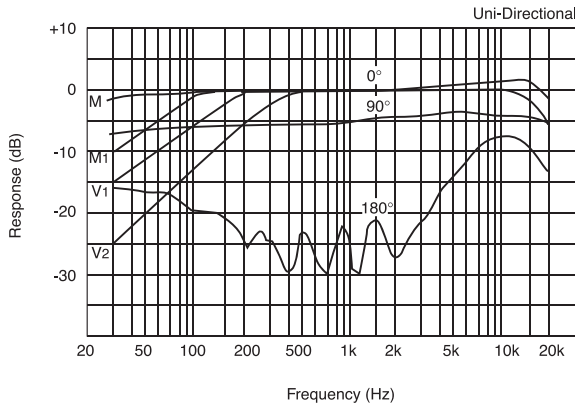
Designed for peak performance, the C-38B microphone's classic, vibration resistant construction provides excellent shielding against external magnetic fields and helps prevent distortion.



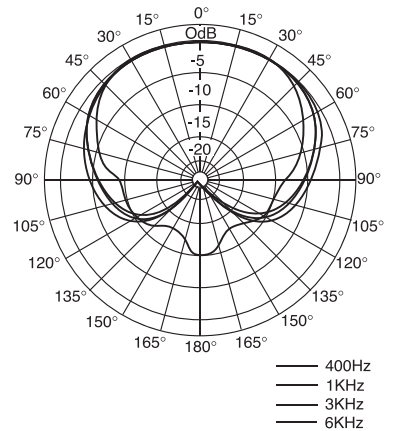
SPECIFICATIONS

		C-38B	
Capsule type	Condenser		
Frequency response	30 Hz to 18 kHz		
Directivity	Uni-directional/Omi-directional (selectable)		
Effective output level at 1 kHz (0 dBm = 1 mW/1 Pa.)	-47.8dBm		
Sensitivity (0 dB = 1 V/1 Pa, at 1 kHz)	-48.0dB ±2.0dB		
Output impedance at 1 kHz (balanced)	250 Ω ±20%		
Dynamic range	116dB or more		
Signal-to-noise Ratio (a weighted, 1 kHz, 1 Pa.)	70dB or more		
Inherent noise	24dB SPL or less		
Induction noise from ext. magnetic field (dB SPL/(1E-7) T)	5dB SPL or less		
Wind noise	44dB SPL or less		
Max. input sound pressure level	140dB SPL		
Mic attenuator	-8dB		
Tone control	Low-cut: M, M1, V1, V2	High-cut: 1	
Microphone connector	XLR-3-12C type		
Microphone cable	19.7 feet (6 m)		
Power supply	9 V Battery or External Power	9 V Battery Life: approx. 200 h	
Standard operating voltage	Battery: 9V	External Power: DC 24 to 48V	
Current drain	Battery: 2 mA or less	External Power: 5 mA or less	
Dimensions	3 1/8 dia. x 8 1/2 x 1 13/16 inches (78 dia. x 214 x 46 mm)		
Weight (without battery)	Approx. 1 lb 7 oz (650 g)		
Supplied Accessories	Carrying case (1) Stand adaptor (NS5/8) (1) Stand adaptor (W3/8) (1) Screwdriver (1) Operation manual (1)		

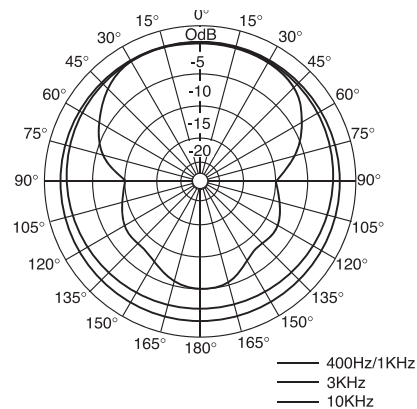
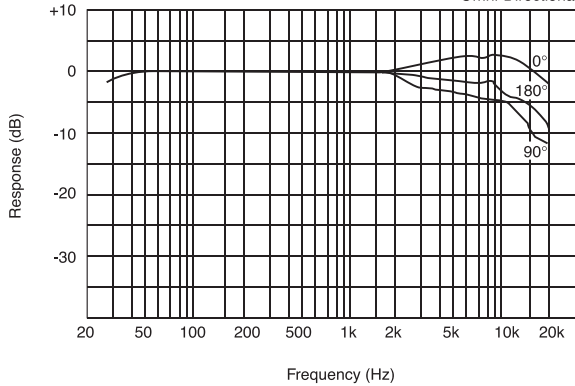
Frequency Response Characteristics



Directivity Characteristics



Omi-Directional



SONY

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