



A versatile dual diaphragm condenser microphone for exacting or critical professional recording applications

Sony's new C-48 is the latest in a long line of advanced Sony microphones, refined and perfected to give you superb sound reproduction in a wide variety of recording conditions.

The C-48 features three directivity options: omni-directional, cardioid, and bi-directional. A simple selector switch lets you change easily from one characteristic to another. PAD switch and low-cut switch add to the operational features of the C-48, while 2-way power capability lets you choose either battery or external power supply — whichever best suits your needs.

Inside, the Sony C-48 combines proven transducer technology, sophisticated circuitry, and a highly sensitive microphone capsule to give you smooth, clear, natural sound.

A low-noise, high-gain FET preamplifier and a transformer with excellent transmission characteristics deliver flat frequency response over a range of 30-16,000 Hz. And the C-48 can also handle a minimum of 128dB SPL without audible distortion or coloration.

The Sony C-48 is a rugged, reliable performer suited for the most exacting recording applications, whether voice or instrument. If you're looking for the best in professional condenser microphones, look to Sony... and listen to a demonstration of our C-48.

Professional features of the Sony C-48:

Smooth, natural sound. Sony technology has created a condenser microphone that sounds better because it's designed better — and your recording results will prove it.

Three-way directivity. Utilization of dual diaphragms provides for electronic directivity switching without the need for mechanical shutters. Choose omni-directional, cardioid or bi-directional characteristics. A simple selector switch with led indication assures selection of the pattern you need.

Highly Sensitive capsule. The C-48 features Sony's first dual-diaphragm capsule design, with materials carefully selected for unerring reproduction accuracy and superb transient response.

FET preamplifier. A low-noise, high-gain Field Effect Transistor preamplifier stage and a transformer with excellent transmission characteristics enable the C-48 to achieve its flat frequency response over a wide 30-16,000 Hz range.

Low distortion. The C-48 can also handle a minimum of 128dB SPL without audible coloration or distortion. That means you can record at high sound pressure input levels without loss in signal quality.

PAD switch. The Sony C-48 features a 10dB PAD between capsule and preamplifier to prevent overload at sound pressure levels above 128dB.

Low-cut switch. To compensate for proximity effect, the C-48 incorporates a high pass filter to roll off low-frequency sensitivity, yielding flat frequency response in close miking situations.

2-way power source. Choose internal battery power or external power supply (with optional AC-148F AC power source). Whichever you choose, you'll get professional microphone performance you can count on.

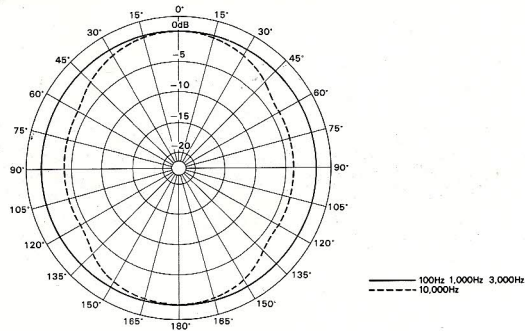
Microphone Specifications

Capsule type	Dual diaphragm condenser	Dynamic Range	104dB
Directivity	Omni/Cardioid/Bi-Direction	Pad	10dB
Frequency Response Hz	30-16,000	Mic Connector	XLR-3-12C Type
Output Impedance	150 ohms \pm 20%	Power Requirements	DC-9V (battery) DC-48V (external)
Open Circuit output Level 0dB = 1V/10u bar @ 1kHz	-37.8dBm	Power Consumption	4mA (battery)
Sensitivity (0dB = 1V/u bar, 1,000Hz)	Omni-directional	Battery Life	Approx. 50 hours (with 006P battery)
	Cardioid	Dimensions	2 1/8" (w) x 1 1/8" (d) x 9" (h) (54 x 40 x 229mm)
	Bi-directional	Weight	1 lb., 6 oz. (580g)
Signal to Noise Ratio 1kHz 10u bar	\geq 70dB	Accessories Supplied	Carrying case
Inherent Noise	< 24dB		006P battery
Maximum Sound Pressure Level (SPL)	\geq 128dB 138dB with PAD in circuit		Screw adaptor

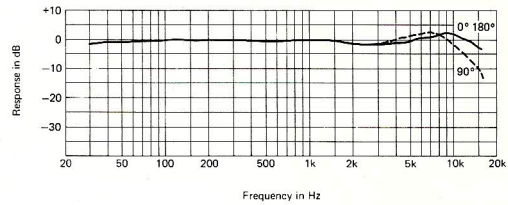
Design and specifications are subject to change without notice.

Omni-directional

Polar pattern

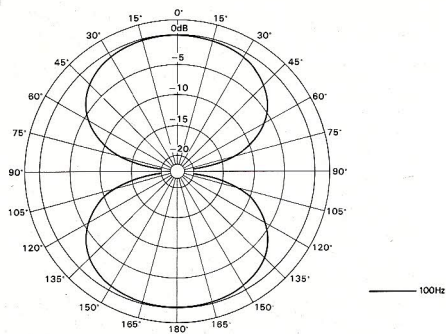


Frequency response

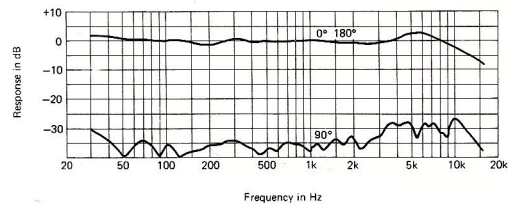


Bi-directional

Polar pattern

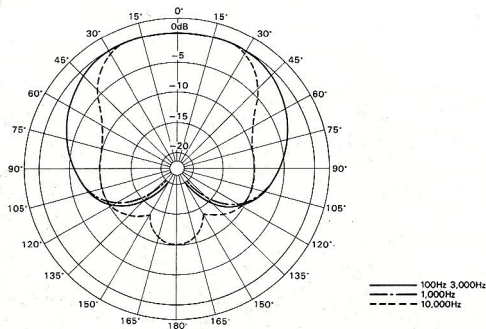


Frequency response

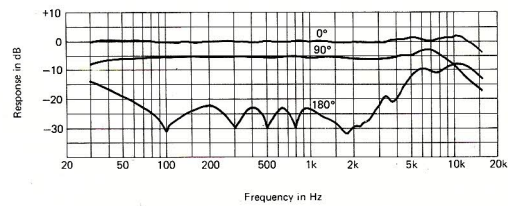


Cardioid

Polar pattern



Frequency response



Cardioid mode frequency response with pad and high pass filter in circuit

Frequency response

