

**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.

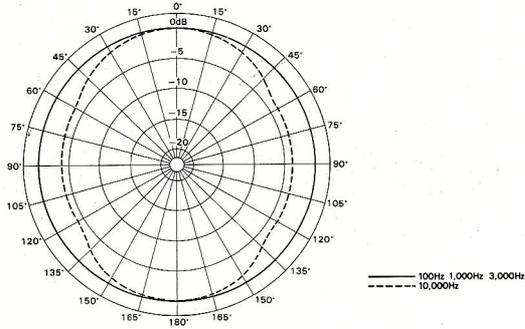
**Microphone Specifications**

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

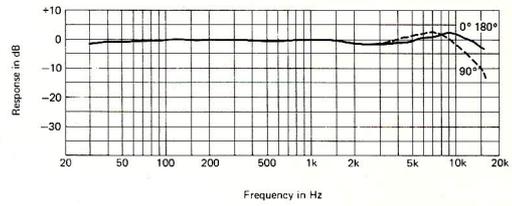
Design and specifications are subject to change without notice.

**Omni-directional**

Polar pattern

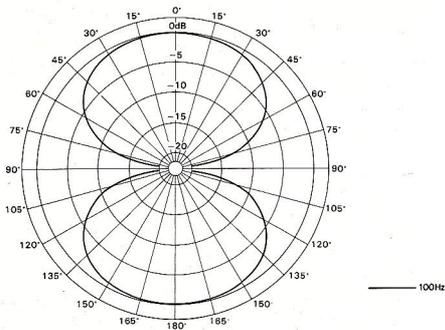


Frequency response

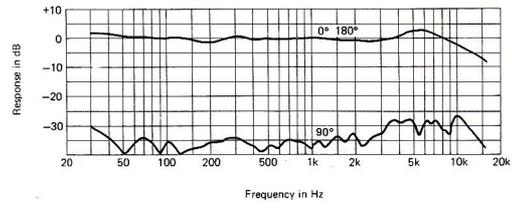


**Bi-directional**

Polar pattern

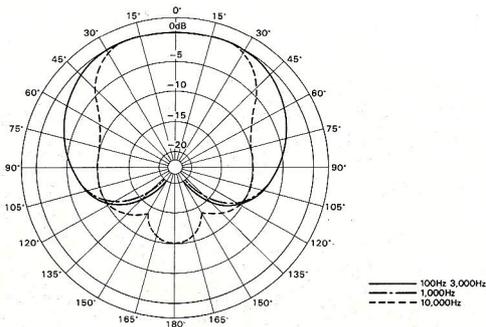


Frequency response

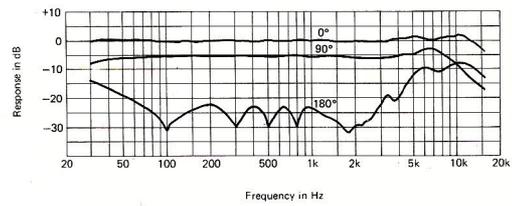


**Cardioid**

Polar pattern



Frequency response



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

Frequency response

