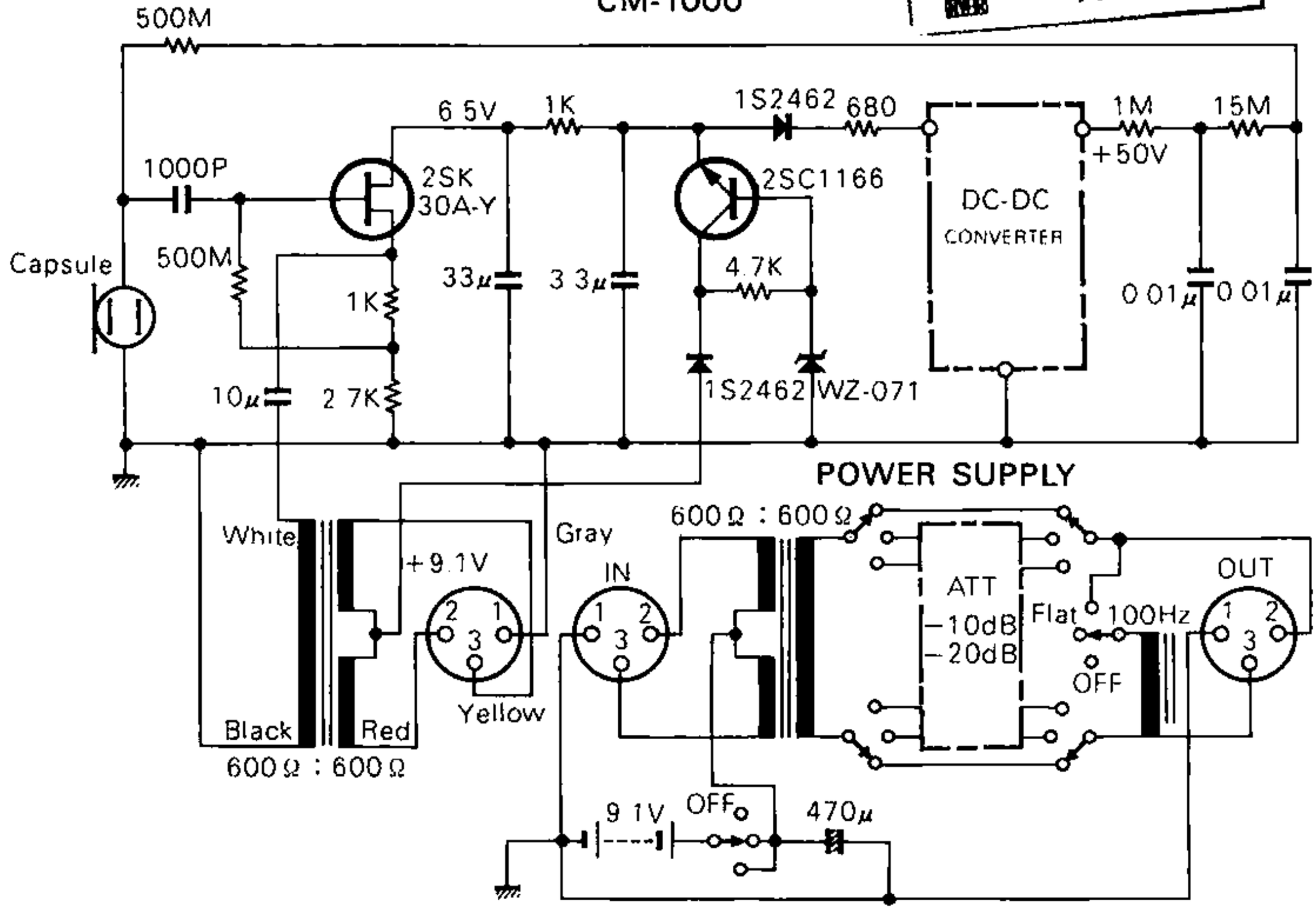
DOCUMENTATION
NVHR

CM-1000



Studio Condenser Microphone

CM-1000

Ned. Ver. v. Historie v/d Radio

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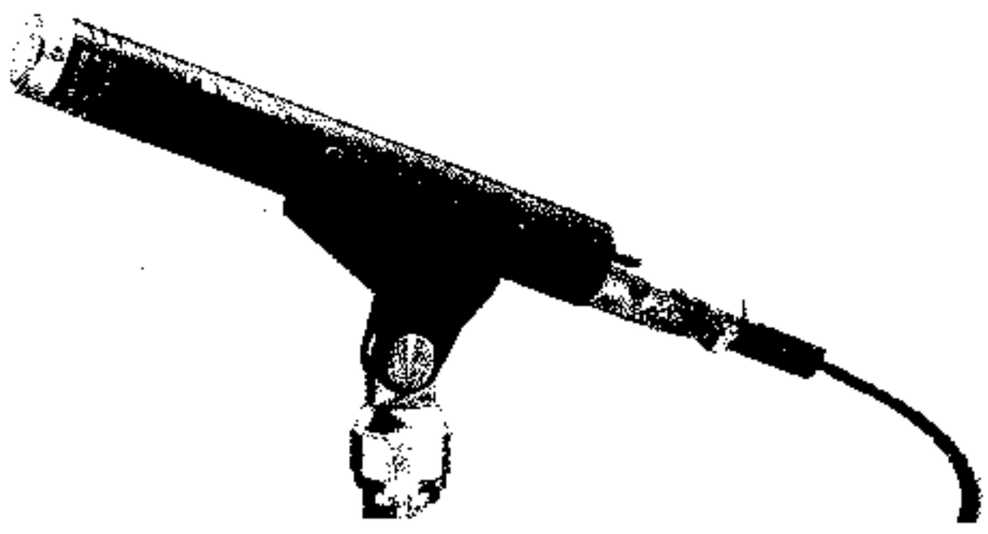


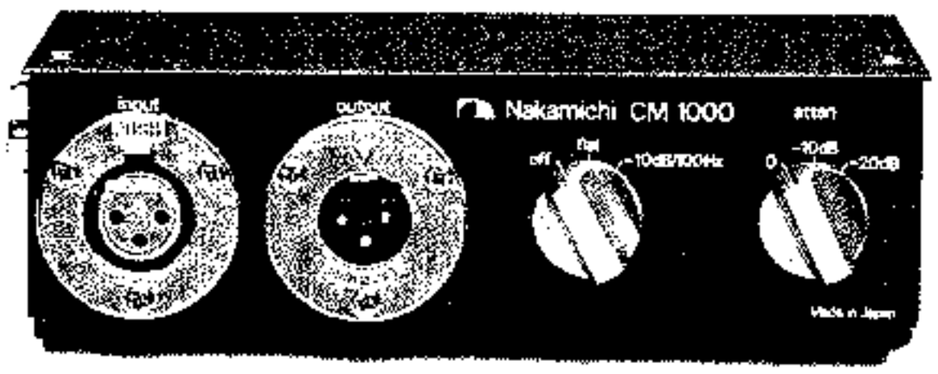
The CM-1000 Studio Condenser Microphone has been designed for the most exacting professional applications. It provides the widest and flattest frequency response possible without sacrificing other critical parameters, such as distortion and dynamic range. Virtually hand-made, the CM-1000 is available only in limited quantities. But its high accuracy makes it a natural choice of the critical recordist.

Features

1. Low-noise battery power supply
   The CM-1000 is powered by a 9.1V mercury battery which is housed in the power supply section. The power supply thus provides a combination of low-noise performance, economy and ease of use that cannot be matched by AC power supplies. The power supply also houses high quality input/output audio transformers, attenuators and a proximity effect compensation network for close-up cardioid applications. The attenuator switch provides 0 dB, 10 dB and 20 dB positions. The proximity effect compensator attenuates 10 dB at 100 Hz.
2. High gain FET preamplifier
   The microphone body houses a low-noise high-gain preamplifier which utilizes a selected high grade FET (field effect transistor). Also housed in the microphone body is a DC-DC converter which boosts the 9.1V supply voltage to 50 VDC for the condenser element. The electronics are molded in a special silicon compound to give the unit the ability to withstand considerable shock and to resist relative extremes in temperature and humidity.
3. Interchangeable capsules
   CP-101: The CM-1000 is supplied with the CP-101 uni-directional (cardioid) capsule. This condenser element displays a near-perfect cardioid pattern between 100 Hz and 8000 Hz, a phenomenal achievement for single diaphragm designs (particularly at the lower frequencies). It achieves superior rear cancellation through a unique mechanical filter which utilizes acoustical mass at critical frequencies.
   CP-102: The CP-101 may be replaced with the CP-102 super-omnidirectional capsule. The CP-102 differs from conventional omni-directional elements in that it utilizes a very small diameter diaphragm, which gives it closer-to-ideal omni-directional response, especially at the higher frequencies. The smaller diameter also reduces diffraction effects which cause uneven upper midrange and high frequency response.
   Both capsules utilize high tension gold-metalized polyester film diaphragms for unexcelled transient performance.

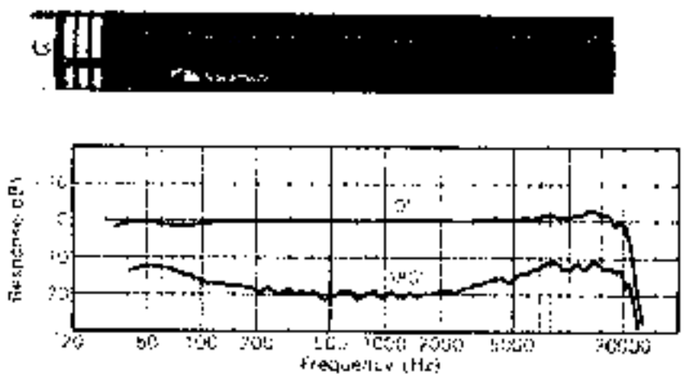
Included Accessories

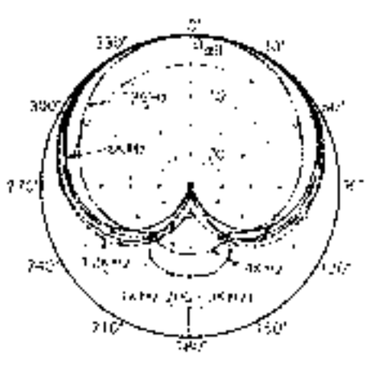
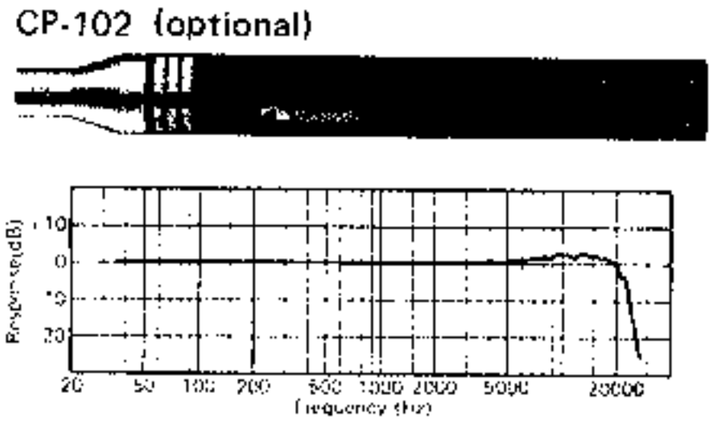
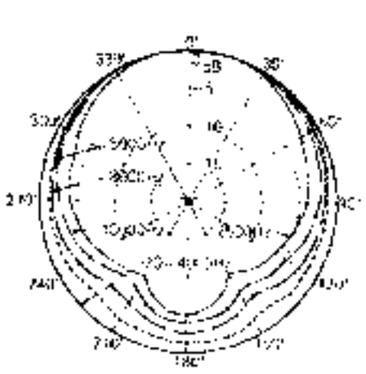
1. Battery operated power supply w/attenuators & lo-cut network
2. CP-101 uni-directional capsule
3. Battery, windscreen, stand adaptor
4. Connecting cables (2)



Battery operated power supply

CP-101





CP-102 (optional)