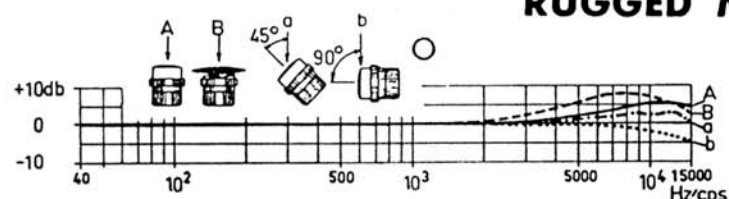


TELEFUNKEN

microphones...
for life-like fidelity

TAKES THE PLACE OF 5 OR 6 ORDINARY MICROPHONES
RUGGED MICROPHONE CM51



The Condenser Microphone CM51 is a high quality studio microphone. Three different cartridges may alternately be used with this microphone. A bayonet socket insures their easy and rapid interchange. The complete pre-amplifier in the base is fitted with an internationally used tube.

MICROPHONE CM51/U

A mechanical switching arrangement allows variation of the directional response of this microphone from omni-directional to cardioid by turning the rim on the cartridge body to one of its marked end positions. The detachable plexi-glas shutter is slid into place for use in the "cardioid" position to obtain the sharp cut-off in the response to sounds from behind the microphone. In the "omni-directional" position, the microphone may be operated with or without the shutter giving the different frequency response characteristics shown.

The frequency response of the microphone increases at the high frequency end under vertical incidence (0°), as is generally desired

CM51/U CONDENSER MICROPHONE (PRE-AMPLIFIER & PLUG-IN ELEMENT)

- a) Directional response variable omni-directional/cardioid
- b) Frequency response 40-15,000 cps. \pm 2 db.
- c) Output level Cardioid:
1.4 mV per dyne/cm² approx.
Omni-dir.:
0.8 mV per dyne/cm² approx.

The microphone is independent of temperature and humidity over a wide range, and is not affected by stray fields; it may, therefore, be used under rough operating conditions.

for best reproduction quality ("presence"). For other angles of incidence, the "presence" effect decreases according to the graphs given.

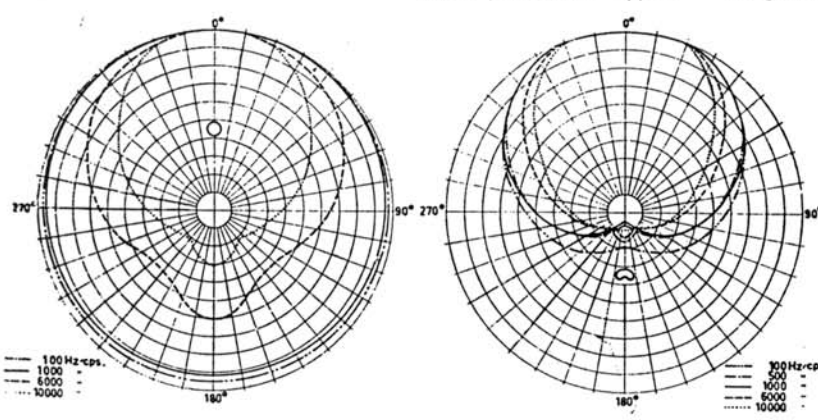
All condenser elements have metal diaphragms. Their performance remains practically unaffected up to temperatures of 175° F. A rotary bayonet socket on the amplifier body allows horizontal adjustment of the cartridge.

The amplifier case with top may be slid off after driving the two screws on the bottom fully in. The non-microphonic, low-noise 6 AU 6 is employed as the amplifier; it is plugged into a socket for speedy replacement.

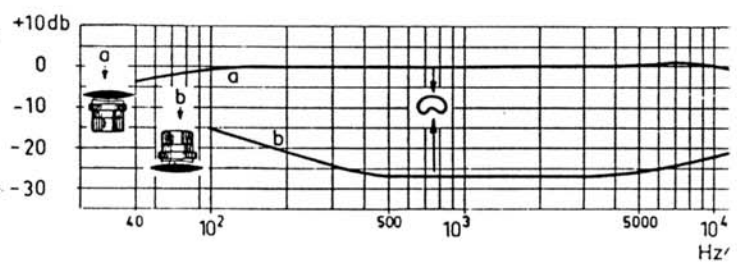
- Output impedance 200 ohms or 50 ohms
- Non-linear distortion Less than 1%
- Tube 6 AU 6
- Length 6-21/32"
- Diameter 1-15/32"
- Weight 6 3/4 oz.



MODEL CM51
Microphon
power suppl
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\$390.0



Frequency response with condenser element in the position "cardioid" at acoustic radiation from in front with respect to radiation from behind. The distance between the two curves shows the degree of rear-rejection.



POWER SUPPLY UNIT CMN 51/9

The Power Supply Unit CMN51/9 is intended for use with the Condenser Microphone CM51. It is built into a portable metal case. Filter switch, fuse, and pilot lamp are mounted on the front panel. A power cord of 8 feet is permanently attached to the instrument. On the rear panel are a 5-point connector for the microphone cable and 3-point connector for the audio output.

TECHNICAL DATA:

- Plate voltage 150
- Plate current 1 mA approx.

- Heater voltage 5.7 volts
- Heater current 0.3 A approx.
- Power supply 110-125 V/50-60 cycles
- Power consumption 16 watts

- Pilot lamp 7 V, 0.3
- Fuse 0.3
- Dimensions 4 1/2" x 5 1/4" x 9"
- Weight 6 lbs. 11

ACCESSORIES TO CONDENSER MICROPHONE CM51

Standard Accessories: Microphone Cable CMKV-51/9 to connect microphone and power supply, 33 feet long, also suitable as extension cable.
Ball-Joint Mounting Adapter SIG-51/9. Used as the mounting element between microphone and stand. The ball-joint may be locked in any position for the adjustment of the

microphone to the direction of sound. The adapter provides insulation between microphone and stand and is fitted with a shock absorber against floor vibrations.
Protector Screen W-51/9 to suppress noises from wind, and to protect the microphone from excessive sounds (aspirates) when speaking into it at very close range.



AMERICAN
ELITE, INC.
7 PARK AVE.
NEW YORK CITY 16

LITHO IN U.S.A.