

## MV692/UM70

Condenser microphone with switchable polar patterns

The MV 692/UM 70 condenser microphone is intended for use in a diversity of recording situations. The microphone capsule functions as a pressure gradient transducer, and is provided with two gold-plated plastic diaphragms. By application of the appropriate polarisation voltages, the three directional characteristics omnidirectional, cardioid, and figure-8 can be selected as required. This is effected by a selector ring at the bottom of the capsule head. The capsule guard is executed in two colors. The direction of the maximum sensitivity is radial, i.e. vertical to the microphone axis, and marked by the light-colored side of the grille.

## MV 692 Microphone Amplifier

The microphone amplifier serves as an impedance transformer for adapting the LF high-impedance condenser microphone capsule to the low impedance of connected amplifiers. The circuitry includes a FET input stage, an integrated circuit, a dc/dc converter circuit for the generation of the polarisation voltage and the output transformer. Two switches permit respectively 10 dB preattenuation for the handling of very high sound pressure levels and a reduction of the sensitivity factor for low frequencies. The latter provides compensation for the proximity effect. The amplifier CB is accommodated in a tubular housing 25 mm in diameter provided at one end with a thread for the attachment of the microphone capsule and at the other with a 3-pin XLR connector for a C70 microphone cable. The power supply is provided by 48 V phantom powering, which is internationally standardized as P48 in DIN 45596 and IEC 268- 15.



## Technical Data

MV 692 / UM 70

Directional pattern:	Omni, cardioid, fig-8
Acoustic operating principle:	Pressure gradient transducer
Frequency range:	40 ... 18,000 Hz
Sensitivity:	5/10/6 mV/Pa $\pm 3$ dB
Rated impedance:	200 $\Omega$
Nominal load impedance:	1k $\Omega$
Max SPL for 0.5% THD:	130/125/130 dB
Power consumption:	2mA
(P48, DIN 45 596, IEC 268-15)	
Weight:	285 g
Dimensions:	42/25 mm $\phi$ , 220 mm length

Omni



Cardioid

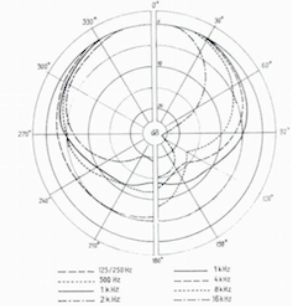
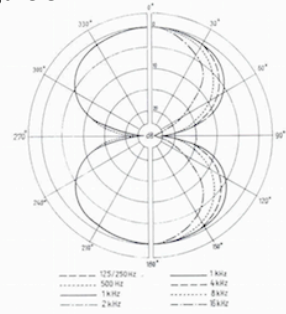


Figure 8



## Frequency response

