

SEIT 1928

KONDENSATORMIKROFONE
FÜR STUDIO - UND MESSTECHNIK

MICROTECH GEFELL



UM 92.1 S

Tube-condenser microphone with switchable polar pattern.

The UM 92.1 S studio microphone features our classic M 7 capsule which is renowned for its sound quality. This pressure gradient transducer uses two large diameter gold sputtered plastic membranes.

The capsules are selected for optimum polar response.

Three directional characteristics, omni-directional, cardioid and figure-8 are selectable with a pattern selector switch mounted on the power supply.

The vacuum tube microphone shows a considerable signal-to-noise ratio and a high sensitivity. The UM 92.1 S has the typical warm full sound of tube microphones which is especially preferred by singers and soloists.

The direction of maximum sensitivity is radial to the grill, i. e. side addressed.

The vacuum tube amplifier is a time proven design using a pentode working as high μ triode selected for its sonic characteristics.

The UN 920.1 power supply provides the polarization voltage for the capsule and the necessary DC voltages to the microphone amplifier. It is recommended to set the heater voltage of the power supply to 5.8 volts by your service workshop for cable lengths longer than 50 meters. The UN 920.1 can be powered from AC mains with the primary voltage from 115 or 230 volts – 50 or 60 Hz.

Mounted on the front panel are the pattern selector switch and the on/off-switch. Mounted on the rear panel are the AC mains connector with choice of voltage, the 7-pin Tuchel connector which powers the microphone and a standard 3-pin XLR connector for audio output.

These delivery versions are available:

Tube-condenser microphone

UM 92.1 S

Power supply

UN 920.1

Microphone cable

C 92.1

Elastic suspension

EA 92

Wind screen

W 92

It can be optionally offered this treaded swivel-ended cable C 92.1 S and a metal suitcase.

The microphone is available in matt black and satin nickel.



Technical Data UM 92.1S

CE

Tube-condenser microphone with switchable polar pattern

Polar pattern	omni, cardioid, fig-8
Acoustical operating principle	Pressure gradient transducer
Frequency range	40 ... 18000 Hz
Sensitivity at 1 kHz	15 mV/Pa
Rated impedance	200 Ω
Equivalent loudness level due to inherent noise	CCIR 468-4 25 dB IEC 651 17 dB-A
Signal-to-noise ratio (re 1 Pa at 1 kHz)	CCIR-weighted 69 dB A-weighted 77 dB
Max. SPL for THD ≤ 0.5%	120 dB
Total dynamic range of the microphone amplifier	103 dB
DC power supply	120 V
Anode current	1 mA
Heater voltage	5.8 V
Heater current	200 mA
Tube	EF 86
Output connector	7-pin Tuchel C70/A
Weight	430 g
Dimensions (LxØ)	190 mm x 42 mm

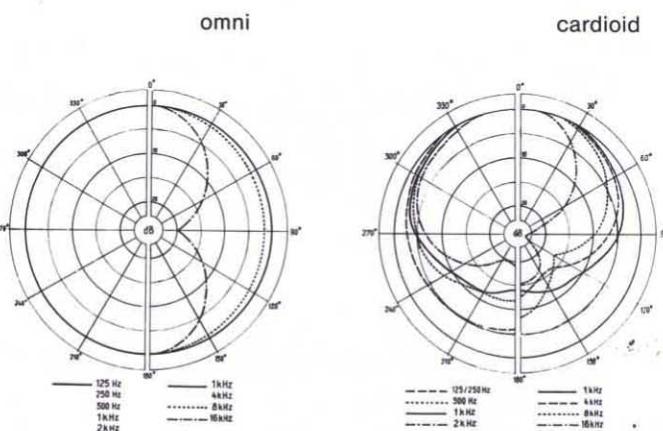


fig-8

Polar patterns

