

SEIT 1928

KONDENSATORMIKROFONE
FÜR STUDIO - UND MESSTECHNIK

MICROTECH GEFELL



M 990

Tube-condenser microphone with Cardioid polar pattern

The M 990 exhibits high sensitivity and with that an excellent signal-to-noise ratio. It combines modern large diaphragm capsule technology with the typical warm fully sound of tube microphones which is especially preferred by vocalists and soloists.

The M 990 vacuum tube-condenser microphone is suited for difficult radio play recordings as well as supporting microphone for orchestra recordings.

The time proven pressure gradient transducer of the M 990 uses a large diameter gold sputtered plastic membrane.

The vacuum tube preamplifier is equipped with a pentode working as triode selected for its sonic characteristics.

The N 920.1 power supply provides the operating voltages for the vacuum tube-condenser microphone. It can be powered from a.c. mains with the primary voltage of 115 or 230 volts / 50 Hz or 60 Hz.

It is recommended to set the heater voltage of the power supply to 5,8 volts by your service work-shop for cable lengths longer than 50 meters.

The N 920.1 is equipped with the on/off-switch, the 7-pin Tuchel connector which powers the microphone and a 3-pin XLR connector with integrated voltage selector switch.

The complete system includes the M 990 microphone packed in a wooden case, N 920.1 power supply, C 92.1 microphone cable and an elastic suspension.

The microphone is available in dark bronze.



Delivery

Tube-microphone, dark bronze in wooden case L x B x H 210 x 68 x 48 mm

Elastic suspension, dark bronze

Power supply

Connection cable

M 990

EA 92

N 920.1

C 92.1

Order-No. 211160

Accessories, optional

Windscreen, anthracite

Popscreen, black

Microphone holder, dark bronze

Connection cable with swivel mount

Suitcase, aluminium

W 92

PO 70

MH 80

C 92.1 S

Order-No. 202402

Order-No. 600018

Order-No. 202322

Order-No. 202206

Order-No. 702005

Technical Data M 990

CE Certificate

Tube-condenser microphone with
cardioid polar pattern

Acoustical operating principle

Pressure gradient transducer

Frequency range

40 ... 18000 Hz

Sensitivity at 1 kHz

28 mV / Pa

Rated impedance

200 Ω

Equivalent loudness level
due to inherent noise

CCIR 468-4 (qps)

24 dB

IEC 651

13 dB - A

Signal-to-noise ratio
(re 1 Pa at 1 kHz)

CCIR-weighted

70 dB

A-weighted

81 dB

Max. SPL for THD ≤ 0,5 %

119 dB

Total dynamic range of the microphone amplifier

106 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 C 70 / A

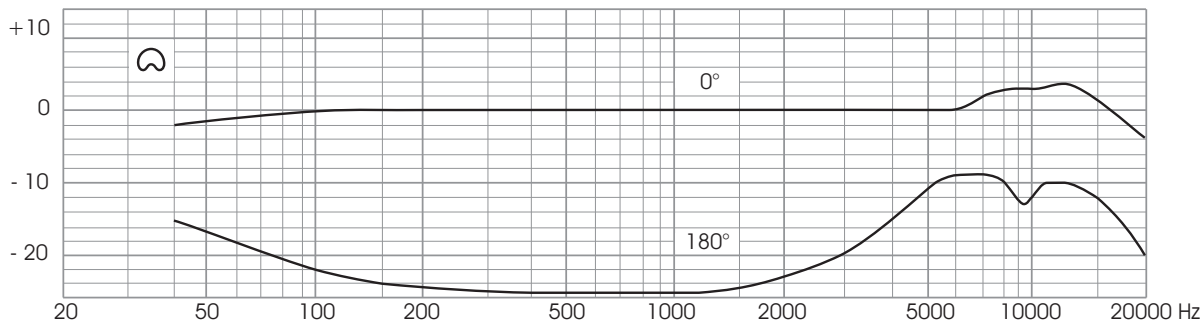
Weight

400 g

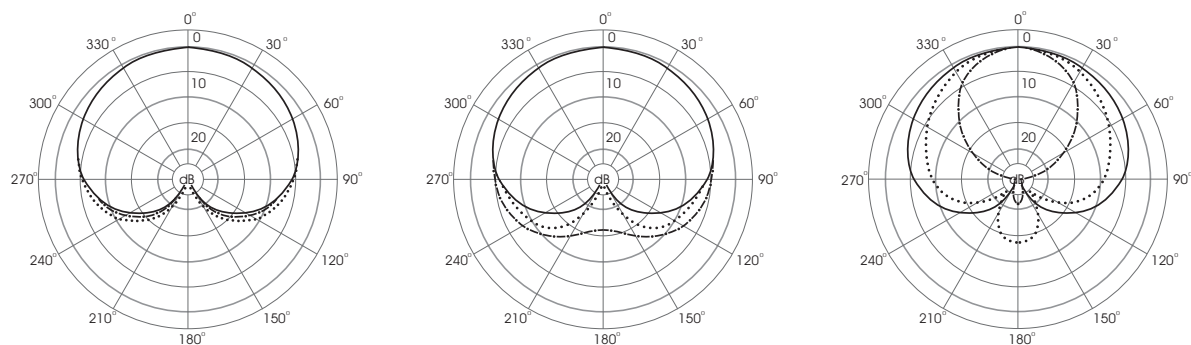
Dimensions (L x Ø)

185 mm x 43 mm

dB Frequency responses



Polar patterns



— 1 kHz
- - - 250 Hz
- · - · 500 Hz

— 1 kHz
- · - · 2 kHz
- - - 4 kHz

— 1 kHz
- · - · 8 kHz
- - - 16 kHz

interstage

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- pro audio with a smile

