MICROTECH GEFELL



M 990

Tube condenser microphone with cardioid polar pattern



The M 990 is renowned for its high sensitivity and excellent signal-to-noise ratio. It combines modern large diaphragm capsule technology with the typical full-bodied sound of tube microphones that are preferred by vocalists and soloists.

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

The new pressure gradient transducer of the M 990 uses a large diameter gold-plated plastic diaphragm.

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

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

For cable lengths over 50 meters it is recommended to have your service provider set the heater voltage of the power supply to 5.8 volts.

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

The M 990 is packed in a wooden case and comes with power supply N 920.1, connection cable C 92.1 and elastic suspension EA 92.

The microphone is available in a dark bronze finish.



Delivery

Tube microphone M 990 in wooden case LxBxH 275 x 90 x 70 mm Power supply N 920.1 Connection cable C 92.1 Elastic suspension EA 92

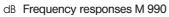
dark bronze Order-No. 211160

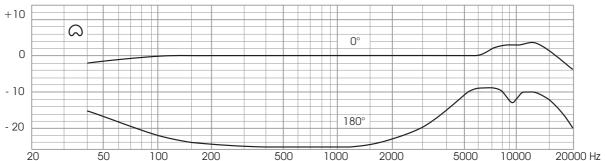
Accessories, optional

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Windscreen, anthracite	W 92	Order-No. 202402
Popscreen, black	PO 70	Order-No. 600018
Microphone holder, dark bronze	MH 80	Order-No. 202322
Connection cable with swivel mount	C 92.1 S	Order-No. 202206
Suitcase, aluminium	Case 1	Order-No. 702001

Tube condenser microphone

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Polar pattern		cardioid
Acoustic 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 DIN EN 60 651	24 dB 13 dB - A
Signal-to-noise ratio (re 1 Pa at 1 kHz)	CCIR-weighted A-weighted	70 dB 81 dB
Max. SPL for THD $\leq 0.5 \%$		119 dB
Total dynamic range of the n	nicrophone preamplifier	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 ∅)		185 mm x 43 mm





Polar pattern

