

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 L x B x H 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

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

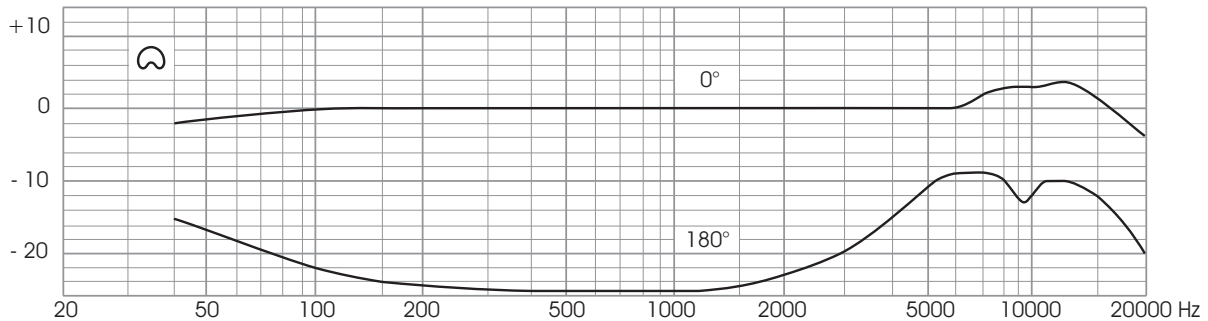
Technical data M 990

CE Certificate

Tube condenser microphone

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	24 dB
	DIN EN 60 651	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 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 Ø)	185 mm x 43 mm	

dB Frequency responses M 990



Polar pattern

