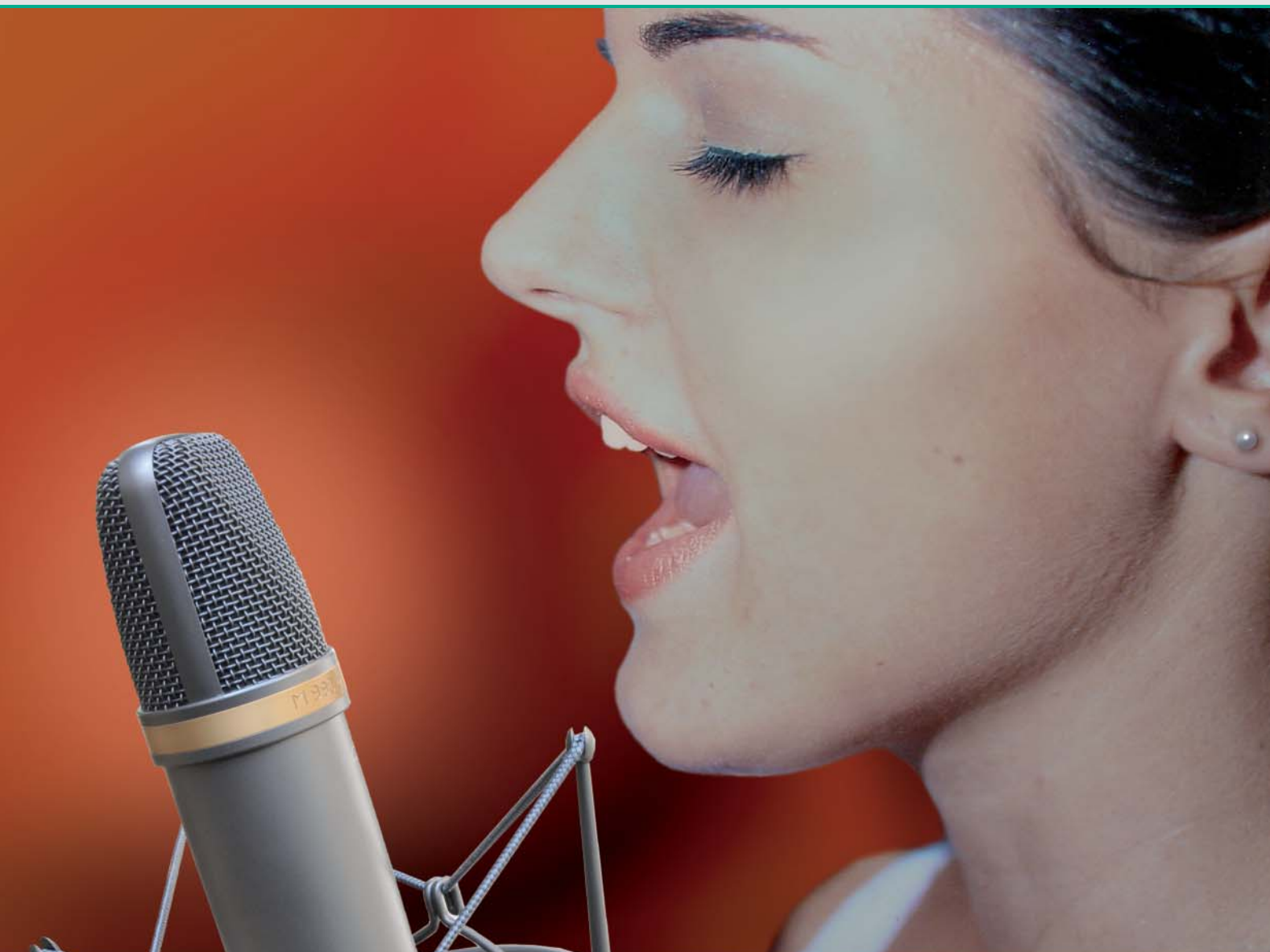


M 990 art



- Limited Edition -
- Manufactured using original technologies -

GEORG-NEUMANN-GEFELL
1928 - 80th Anniversary - 2008

Finely Crafted




made in Germany

M 990 art

TUBE CONDENSER MICROPHONE

with
cardioid directional pattern

- high performance output transformer
- New large diaphragm capsule
- cardioid directional pattern 
- hand-made PVC-diaphragm
- distinctively vintage sound
- Finish without reflection
- dark bronze and Pearl-goldplated



80 Years

KONDENSATORMIKROFONE
FÜR STUDIO - UND MESSTECHNIK

MICROTECH GEFELL



M 990 art

TUBE CONDENSER MICROPHONE M 990 art with cardioid directional pattern

The M 990 art is a large diaphragm tube microphone that, due to its unmistakable vintage sound is much loved by vocalists and instrumentalists alike. The high sensitivity with its associated and outstanding signal-to-noise ratio are the result of modern, pioneering, large capsule engineering. The pressure gradient transducer of the M 990 art uses a new gold-sputtered PVC membrane based on well-established manufacturing technology. The tube amplifier is a low noise pentode valve operating in a triode configuration. The valve is carefully selected for suitability by us in our own factory to ensure the long-term characteristics. The M 990 art tube microphone is as much at home with demanding radio drama productions as it is as a spot microphone in orchestral recordings. The microphone gets its power from the N 920.1 power supply unit, which is designed for mains supplies of 115 V or 230 V, at 50 Hz or 60 Hz. The heater voltage for the valve is stabilised. It is recommended that for cable lengths exceeding 50 m between the power supply and the microphone, the heater voltage, measured at the microphone, be set in the workshop to 5.8 V. The N 920.1 is equipped with an on/off switch, a 7-pin Tüchel connector for the microphone cable, a 3-pin XLR connector for the audio output, and a mains input connector with an integrated mains voltage selector. The microphone is finished in a high quality, low reflection dark bronze with a precious pearl-gold plated ring.



Delivery

Tube microphone Anniversary M 990 art in suitcase	L x B x H 450 x 100 x 365 mm
Power supply N 920.1	
Connection cable C 92.1	
Elastic suspension EA 92	
dark bronze / Au	Order-No. 2111110

Accessories, optional

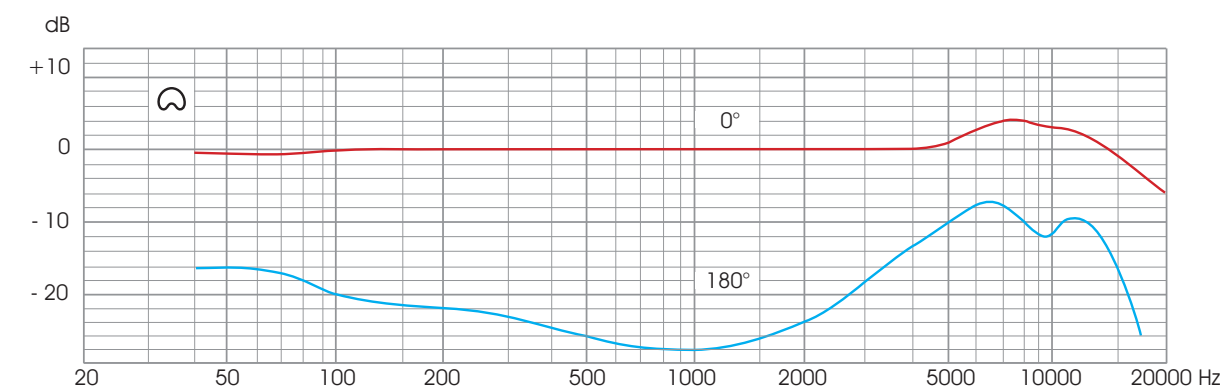
Windscreen, anthracite	W 92	Order-No. 202402
Popscreen, black	PO 70	Order-No. 600018
Microphone holder, dark bronze	MH 80	Order-No. 202322
Connection cable with swivel mount	C 92.1 S	Order-No. 202206

Technical data M 990 art

CE Certificate

Polar pattern	cardioid	
Acoustic operating principle	Pressure gradient transducer	
Frequency range	30 ... 18000 Hz	
Sensitivity at 1 kHz	30 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 %	118 dB	
Total dynamic range of the microphone preamplifier	105 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 Tüchel C 70/A	
Weight	400 g	
Dimensions (L x Ø)	185 mm x 43 mm	

Frequency responses M 990 art



Polar pattern M 990 art

