

SEIT 1928

KONDENSATORMIKROFONE
FÜR STUDIO - UND MESSTECHNIK

MICROTECH GEFELL



TM 190, TM 190 L

Desktop microphone



The TM 190 desktop microphone is designed for radio commentary, translators and similar applications. It is a classic 48V phantom powered condenser microphone design, which ensures a high degree of speech intelligibility even in unfavourable acoustic conditions. Its unobtrusive appearance also makes it ideal for use on conference tables.

The TM 190 consists of the Desktop Microphone Capsule and the Desktop Microphone Preamplifier TMV 100. Use of a special capsule with a cardioid characteristic achieves excellent suppression of undesired acoustic interference in the vicinity. The substantial metal foot of the TMV 100 provides a good slide-resistant base, and the mounting arm provides comprehensive angular adjustment of the microphone. The body of the microphone capsules can be adjusted along the main axis, depending on the available length of the connecting cable. The microphone has a flat frequency response ensuring a neutral sound. The electronic circuit design contributes negligible self-noise. A low output impedance allows cable extensions of up to 100 metres without problems.

The Desktop Microphone Capsule is finished in dark bronze and is available in two versions:

- Cardioid capsule with short straight tube TMK 190
- Cardioid capsule with long straight tube TMK 190 L

The microphone capsules are interchangeable via LEMO connector.



Commissioning

The capsule should first be fixed to the TMV 100 using the 3/8" thread attachment. After fitting the capsule, the cable should be connected to the TMV 100 and the 48V phantom power can be applied via the 3 pin XLR connector.

When necessary, we recommend the use of the W 19 wind screen.

Delivery

Microphone TM 190 in wooden case	L x B x H 564 x 196 x 56 mm
Desktop microphone capsule TMK 190	
Desktop microphone preamplifier TMV 100	
Windscreen, anthracite W 19	
TM 190 dark bronze	Order-No. 211182
TM 190 L dark bronze	Order-No. 211183

Accessories, optional

Power supply	N 200	Order-No. 202101
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Technical data TM 190

CE Certificate

Polar pattern	cardioid	
Acoustic operating principle	Pressure gradient transducer	
Frequency range	40 ... 16000 Hz	
Sensitivity at 1 kHz	14 mV/Pa	
Rated impedance	100 Ω	
Equivalent loudness level	DIN EN 60 651	15 dB-A
Max. SPL for THD ≤ 0,5 %	146 dB	
Total dynamic range of the microphone preamplifier	131 dB	
Current consumption (P 48)	3,3 mA	
Connectors	TMK 190	4-pin LEMO connector 00, goldplated contacts
	TMV 100	3-pin XLR connector, goldplated contacts
Length connection cable	1,5 m	
Weight	290 g	
Length desktop microphone TMK 190	185 mm	
	TMK 190 L	435 mm
Diameter of microphones	21 mm	
Diameter of TMV 100	100 mm	
Finish	dark bronze	

dB Frequency response TM 190

