

SEIT 1928

KONDENSATORMIKROFONE  
FÜR STUDIO - UND MESSTECHNIK

**MICROTECH GEFELL**



## MT 71 S

### Transformerless condenser microphone with cardioid polar pattern

The MT 71 S studio condenser microphone, equipped with our reliable large-diaphragm capsule, features outstanding performance, high sensitivity, and improved signal-to-noise ratio. The MT 71 S guarantees particularly clean and colourless sound reproduction. It is well-suited for instrumental and vocal soloists in radio and television broadcasting and any other kind of accurate production.

The pressure gradient transducer is a dual-capacitor design that uses a single brass back-plate and two large-diameter gold-plated plastic diaphragms.

The cardioid pattern exhibits a smooth presence boost which reaches its peak at about 4 dB in the 7 kHz range. This response - coupled with a slight roll-off at low frequencies - is responsible for the legendary 'presence' of this microphone.

The direction of maximum sensitivity is perpendicular to the microphone's axis (side addressed).

The newly developed transformerless circuit design substitutes the previous transformer for a symmetrical output stage yielding a superb transient response combined with a high RFI rejection. The circuit technology also achieves a wider dynamic range by lowering the self-noise floor and increasing the headroom for loud signals.

A 10 dB attenuator has been installed to reduce the sensitivity of the microphone when placed near very loud sound sources. A sensitivity reduction for low frequencies can be utilized to suppress the proximity effect.

The microphone is equipped with a standard 3-pin XLR connector. The operation voltage for the MT 71 S is provided by 48 V phantom powering according to the international standards DIN 45 596 and IEC 268-15.

The microphone is available in a satin nickel or a black matt finish.



### Delivery

Microphone MT 71 S in wooden case L x B x H 275 x 90 x 70 mm

satin nickel

Order-No. 211126

black matt

Order-No. 211127

### Accessories, optional

Windscreen, anthracite	W 76	Order-No. 202407
Popscreen, black	PO 70	Order-No. 600018
Microphone holder, black	MH 75	Order-No. 202306
Clamp, black	MKV 9	Order-No. 600001
Elastic suspension, satin nickel	EA 21	Order-No. 202318
Elastic suspension, black matt	EA 21	Order-No. 202319
Elastic suspension, modified, anthracite	AT 8410 a	Order-No. 600004
Power supply	N 200	Order-No. 202101
Connection cable	C 70	Order-No. 202212

## Technical data MT 71 S

CE Certificate

Transformerless condenser microphone

Polar pattern		cardioid
Acoustic operating principle		Pressure gradient transducer
Frequency range		40 ... 18000 Hz
Switch position "reduced bass roll-off" at 90 Hz		-10 dB $\pm$ 1 dB
Sensitivity at 1 kHz		13 mV/Pa $\pm$ 3 dB
Rated impedance		150 $\Omega$
Equivalent loudness level due to inherent noise	CCIR 468-4 DIN EN 60 651	22 dB 14 dB - A
Signal-to-noise ratio (re 1 Pa at 1 kHz)	CCIR-weighted A-weighted	72 dB 80 dB
Max. SPL for THD $\leq$ 0,5 % with 10 dB preattenuation		134 dB 144 dB
Total dynamic range of the microphone preamplifier		120 dB
Current consumption (P 48, DIN 45 596, IEC 268-15)		3 mA
Output connector		3-pin XLR connector gold-plated contacts
Weight		285 g
Dimensions (L x $\varnothing$ )		217 mm x 42/21 mm
Finish		satin nickel, black matt

dB Frequency responses MT 71 S

