

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

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|------------------------------------------------------------|-----------------------------|------------------------------------------|
| 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 Ω |
| 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

