



M 296

Studio Condenser Microphone with omni-directional polar pattern

The M 296 condenser microphone is an addition to the metal diaphragm microphone family which includes the M 294 / M 295. Based on the nearly linear frequency response of the transmission factor up to 20 kHz it guarantees orthophonic recordings in the near and far field as well as recordings of high sound levels.

It is designed for professional applications in radio and television broadcasting, sound studios, concert halls, theatres and for high-quality recordings of all genres.

The direction of maximum sensitivity is axial. The stable capsule contains a large diameter metal diaphragm similar to our reliable measuring microphone cartridges regarding its construction as a pressure transducer. Capsule and impedance converter are a single unit.

The transformerless microphone preamplifier shows a high output capability and has a symmetrical output stage. A 10 dB preattenuation pad and the bass roll-off extend the application range. The two switches are sunk into the middle of the preamplifier.

The microphone is equipped with a standard 3-pin XLR connector fitting to a microphone cable, e.g. C 70. The operation voltage is provided by 48 V phantom powering according to the international standards DIN 45596 and IEC 268-15.

A special version -the M 296 S- is available for measurement applications. Its frequency response complies with DIN IEC 651 for Class 2 sound level meters.

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

Delivery

Microphone M 296 in wooden case L x B x H 210 x 68 x 50 mm

satin nickel

Order-No. 211134

black matt

Order-No. 211135

Accessories, optional

| | | |
|--|-------|------------------|
| Windscreen, anthrazit | W 71 | Order-No. 202405 |
| Popscreen, black | PO 70 | Order-No. 600018 |
| Microphone holder, Ø 21 mm, satin nickel | MH 64 | Order-No. 202302 |
| Microphone holder, Ø 21 mm, black matt | MH 64 | Order-No. 202305 |
| Elastic suspension, satin nickel | EA 20 | Order-No. 202308 |
| Elastic suspension, black matt | EA 20 | Order-No. 202311 |
| Elastic suspension, satin nickel | EH 93 | Order-No. 202327 |
| Elastic suspension, dark bronze | EH 93 | Order-No. 202328 |
| Table stand, satin nickel | TS 64 | Order-No. 212303 |
| Table stand, black matt | TS 64 | Order-No. 212308 |
| Gooseneck, black | ME 90 | Order-No. 202324 |
| Power supply | N 200 | Order-No. 202101 |
| Connection cable | C 70 | Order-No. 202212 |



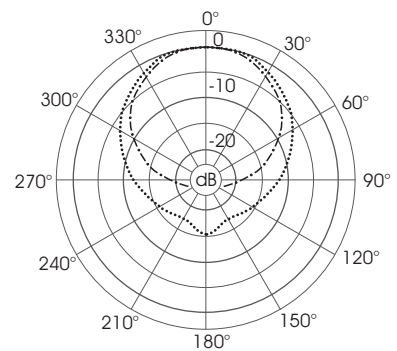
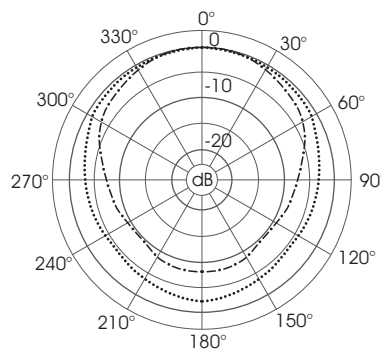
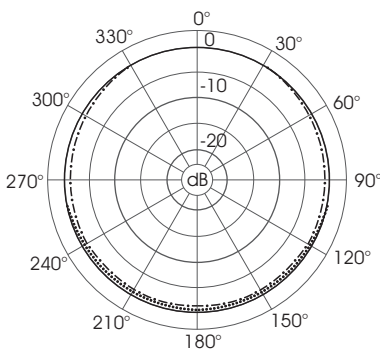
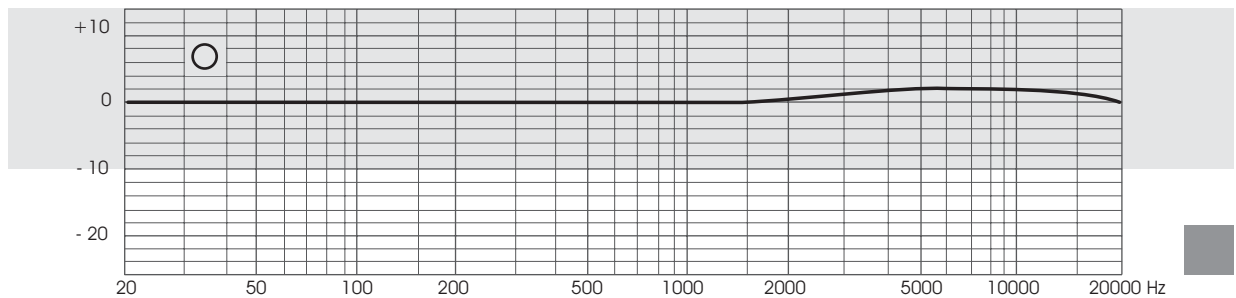
Specifications M 296

CE Certificate

Condenser studio microphone with omnidirectional polar pattern

| | | |
|---|--|-----------|
| Polar pattern | omni | |
| Acoustical operating principle | Pressure transducer | |
| Frequency range | 20 ... 20000 Hz \pm 2,5 dB | |
| Sensitivity at 1 kHz | 15 mV/Pa | |
| Switch position "reduced bass roll-off" at 90 Hz | -10 dB | |
| Rated impedance | 150 Ω | |
| Equivalent loudness level due to inherent noise | CCIR 468-4 | 22 dB |
| | DIN EN 60 651 | 14 dB - A |
| Signal-to-noise-ratio (re. 1 Pa at 1 kHz) | CCIR-weighted | 72 dB |
| | A-weighted | 80 dB |
| Max. SPL for THD \leq 0,5 % | 134 dB | |
| with preattenuation | 144 dB | |
| Total dynamic range | 120 dB | |
| Current consumption (P 48, DIN 45596, IEC 268-15) | 3 mA | |
| Output connector | 3-pin XLR connector goldplated contacts | |
| Weight | 157 g | |
| Dimensions (L x \varnothing) | 256 mm x 21/24 mm | |

dB Frequency response M 296



— 500 Hz
 1 kHz
 - - - 2 kHz

..... 4 kHz
 - - - 8 kHz

..... 12,5 kHz
 - - - 16 kHz