

## MTP 740 CM

# LIVE AND STUDIO CONDENSER MICROPHONE

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The MTP 740 CM uses the same large-diaphragm condenser capsule as the LEWITT performance flagship MTP 940 CM. It's the same 1-inch capsule as in our studio microphones - that leads to a natural, authentic sound with first-class transient response due to the ultra-thin, gold-layered, low-mass, 1-inch diaphragm. The MTP 740 CMs top-applications are vocal performances on stage and in the studio. As a straight forward vocal performance microphone it features a cardioid polar pattern which ensures effective rear sound rejection both onstage and in the studio. Thanks to advanced suspension technology – capsule and electronics are fully rubber-cushioned – the MTP 740 CM is shock-resistant and offers a highly effective structure-borne noise elimination. With its two step pre-attenuation and the switchable low-cut setting the MTP 740 CM can be adjusted to various vocal requirements and recording situations. In short: the MTP 740 CM has everything on board for the most demanding live and studio vocal performances and recordings. Pure large-diaphragm studio condenser sound and features on stage and stage feeling for authentic vocal studio recordings!

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### PRODUCT DETAILS

#### KEY FEATURES

Uncompromising large-diaphragm studio condenser sound for stage performances routines

3 micron thin gold layered Mylar diaphragm

Cardioid polar pattern for clean live sound and effective rear rejection

Integrated acoustic pop and windshield for excellent protection without compromising high-frequency clarity

Highly shock-resistant and effective structure-born noise elimination thanks to advanced suspension technology

Rock-solid, full-metal die-cast body for rough daily touring

Hardened spring steel mesh grille to prevent wear and abuse

Superior dynamic range of 140 dB (A)

Exceptionally low self-noise of 15 dB (A)

SPL max of 165 dB (A) for 0,5 % THD

2-step attenuation, 2-position low-cut

Illuminated setting indication for quick and easy handling in dark environments

Top applications: Authentic and dynamic live vocal performances, Handheld vocal studio recordings , Acoustic instruments (live & studio), Jazzy snare drum and percussion instruments

#### SPECIFICATIONS

|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| Acoustical operating principle | Pressure gradient transducer, externally polarized |
| Diaphragm                      | 3 micron gold sputtered Mylar                      |
| Transducer Ø                   | 25.4 mm / 1 inch                                   |
| Polar pattern                  | cardioid                                           |
| Frequency range                | 20 to 20,000 Hz                                    |

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|---------------------------------------|--------------------------------------------------------------|
| <b>Sensitivity</b>                    | 9 mV / Pa (-41 dBV)                                          |
| <b>Signal / noise ratio</b>           | 79 dB (A)                                                    |
| <b>Equivalent noise level</b>         | 14 dB (A) according to IEC 60268-1                           |
| <b>Dynamic range of FET mic. Amp.</b> | 138 dB (A)                                                   |
| <b>Max SPL for 0,5 % THD</b>          | 153 dB, 0 dB pre-attenuation / 163 dB, 10 dB pre-attenuation |
| <b>Pre-attenuation pad</b>            | 10 dB, switchable                                            |
| <b>Low-cut</b>                        | 6 dB / octave at 80 Hz                                       |
| <b>Rated impedance</b>                | < 150 ohms                                                   |
| <b>Rated load impedance</b>           | > 1.000 ohms                                                 |
| <b>Supply voltage</b>                 | 48 V +/- 4 V                                                 |
| <b>Current consumption</b>            | 5.5 mA                                                       |
| <b>Enclosure</b>                      | Zinc die cast                                                |
| <b>Connector</b>                      | Gold plated 3-pin XLR                                        |
| <b>Dimensions</b>                     | 51 dia. x 183 mm (2 dia. x 7.2 inch)                         |
| <b>Net weight</b>                     | 332 g (11.71 oz)                                             |