



MUTEC presents the ultimate 10 MHz Reference Master Clock: REF10 SE120

October 2020, Berlin. MUTEC GmbH, manufacturer of audio equipment for studio professionals and audiophile consumers, proudly announces the release of the REF10 SE120.

The 10 MHz reference clock generator REF10 SE120 marks a new top position within its product category in terms of technology and audiophile performance. With a phase noise value of < 120 dBc measured at 1 Hz offset from the carrier frequency of 10 MHz, the REF10 SE120 produces uniquely low jitter measured values of an average of < 15 fs in the crucial measuring range between 1-100 Hz.

This outstanding technical quality has a clearly audible impact on the sonic performance of connected devices. Thanks to its extremely noise-free and exact clock the MUTEC REF10 SE120 improves and enhances the sound quality of compatible DACs, audio re clockers and music servers. Precision, transparency, spatiality and dynamics of the musical presentation now reach an unprecedented level.

The MUTEC REF10 SE120 is a special version of the worldwide successfully sold predecessor REF10 that was launched in 2017 and has now been further enhanced in terms of signal performance. The REF10 SE120 differs from the standard REF10 in regards to its much more elaborately manufactured and selected oven controlled crystal oscillator (OCXO).

»Without doubt, the REF10 was and is a milestone in the development of audiophile reference clock generators. During the development, we noticed that its sonic performance in particular is decisively influenced by the crystal oscillator used. As a result, our REF10 developer and our oscillator supplier came together to optimize the oscillator's production so that a sufficient quantity of oscillators can be produced in the quality level required for the REF10 SE120. We are sure that with the REF10 SE120 we are offering our customers a product that fully meets the continuously increasing demands for audiophile improvement of audio components as well as delivering perfect clock synchronization in a commercial studio environment.«
Christian Peters, CEO MUTEC GmbH

Main Features:

- 10 MHz reference master clock generator with ultimately low phase noise of 120 dBc at 1 Hz
- Improves significantly compatible DACs, audio re clockers, music servers and master clocks
- Provides simultaneous reference outputs with 50 Ω and 75 Ω impedance for maximum compatibility with other manufacturer's audio devices
- Sub-Hz optimized, lowest noise power supplies for every circuit section
- Easy operation

Due to the limited availability of meticulously tested and selected crystal oscillators, the MUTEC REF10 SE120 is available only in small batches and will be shipped with either a black or aluminum coloured front plate for the list price of € 5,498.00 (including German VAT).



The REF10 SE120's rear offers various outputs and thereby emphasis its flexibility

About MUTEC

MUTEC is a leading manufacturer of high-quality A/V master clocks, audio re-clockers, interfaces, format converters, and signal distributors for professional and audiophile consumer audio applications. Focusing on improving digital audio reproduction and transmission processes, MUTEC's 1G-Clock Technology raises the bar for ultra-low jitter clock generation industry-wide to an unparalleled level of performance. Based in Berlin, Germany, MUTEC is dedicated to setting new standards in sound quality, clock generation and digital audio signal processing, enabling customers to realize their visions of the perfect sound in their environments.

MUTEC products are installed in leading-edge broadcast and television stations, well-respected recording and mastering studios as well as renowned musical theatres, opera houses and universities all over the world. The new line of audiophile consumer products takes our experience from the broadcast and pro audio world into the listening room at home to provide an unprecedented music experience.

For further information please contact us directly.

MUTEC GmbH

Presse-Abteilung, E-Mail: press@mutec-net.com, Web: www.mutec-net.com, Fon: +49 (0)30 746880-0