

10M Rubidium Atomic Clock

For those refusing to accept compromises with the audio quality there is the Isochrone 10M - a Rubidium Atomic Reference Generator based on real atomic technology. The 10M is designed specifically to appeal to the most discerning audiophiles and audio professionals. If your goal is to set up your studio for maximum performance, you will certainly appreciate a clocking reference that is a staggering 100,000 times more accurate than the quartz oscillators used in most equipment.



"I always wanted to make the digital audio sound as natural as possible and am happy to say I have achieved this with the Isochrone"

Igor Levin

THE RUBIDIUM CORE



Isochrone 10M brings to your studio the most accurate clock on Earth - the Atomic clock. With the deviation of 1 second in 1,000 years, it is a real quantum leap in clocking technology, making all other reference generators pale by comparison. The heart of the Isochrone 10M is its Swiss-made, high precision sub-miniature Rubidium oscillator, capable of producing extremely stable sinusoidal frequencies.



ATOMICALLY MASTERED™

Isochrone 10M not only renders superb sound quality, but leaves a strong impression on your clients. An atomic clock in your gear rack speaks louder about your studio, your professionalism, and your commitment to quality than anything else. And, of course, with an early adoption of the atomic technology you will have a dramatic competitive advantage over conventional studios.

UPGRADE YOUR STUDIO



The Rubidium Atomic Clock is the perfect companion to the Isochrone audio master clocks such as the OCX or OCX-V. When connected to the Isochrone 10M, these devices switch over automatically from oven based crystal to the superior Rubidium Core. Isochrone 10M is the ultimate tool in achieving analog sound. Experts agree that 10M is probably "the best sounding clock" ever produced.



DUAL REDUNDANT POWER SUPPLY

Isochrone 10M has a dual redundant power supply (100-240 VAC and 12 VDC), which increases the reliability and eliminates the expensive downtime in case of power failure.

THE ULTIMATE JITTER SOLUTION

When used in audio because of its staggering precision, Isochrone 10M virtually eliminates any traces of jitter. If you have invested in top quality equipment and state-of-the-art audio and video devices, you need the 10M to realize the full potential of your gear. The atomic clock eliminates the last weak link in your studio.

RELIABILITY AND EASE OF USE

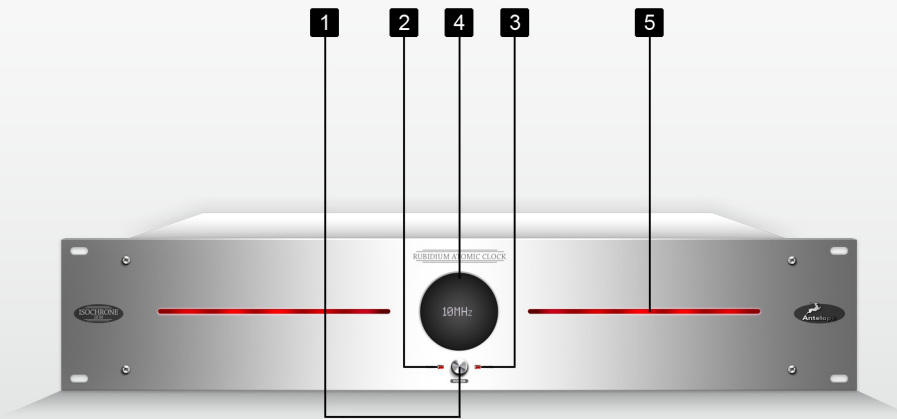
The Atomic Clock is distinguished by an extremely sturdy mechanical construction, making it highly resistant to mechanical shocks. In the Antelope's tradition of making things easy to use, just connect and power it on; the status lights are visible at a glance and all information is prominently shown on the easy-to-read frequency display.

TECHNICAL SPECIFICATIONS

- Swiss-made Rubidium core with accuracy of 0.03 parts per BILLION
- Ultra-precise Atomic oscillator with stability of 1 second in 1,000 years
- Rubidium core is FEI 5660 Compatible Stanford PRS10 Equivalent
- Dual Redundant power supply with automatic switchover
- Compatible with any device that accepts 10 MHz reference
- 8 BNC outputs of 10 MHz
- Extremely sturdy mechanical construction
- Perfect match for OCX, OCX-V and Trinity
- Utmost ease of operation, just connect it and power it on

Front Panel

- 1** Power Switch
- 2** AC Power Supply Indicator
- 3** DC Power Supply Indicator
- 4** Information Display
- 5** Warm Up Indicator



Rear Panel

- 6** AC Power Connection
- 7** DC Power Connection
- 8** Atomic Clock Outputs

