

Frequency Synthesisers

Synchronised Rubidium Oscillator SRO-100 SynClock+®



Auto-Adaptive SmarTiming+® Disciplining and Filtering @ 1ns Resolution

The patented SRO-100 (Synchronized Rubidium Oscillator) is the industry's first smart Rubidium clock, integrating complex synchronization functionality all in one low-cost, super-small package. It utilizes SmarTiming+® technology to provide a host of timing features, which were previously implemented externally on a separate circuit board. The SRO intelligently synchronizes, disciplines, and controls any Stratum-1 reference such as GPS, Cesium, Hydrogen Maser, and T1/E1 at cutting-edge 1 ns resolution.

Stability

- Ultra High.
- Over Temp. <math><1E-10</math> (-30/65°C).
- Short Term: 3E-12/10s
- Long Term: <math><3E-11</math>/month.

Features

- 1" Height.
- Ultra-High Stability.
- SmarTiming+® Technology.
- 1ns Locking Resolution.
- Low Consumption.

High Precision Source iSource+™ Ultra LCR-900



Ultra Low Cost Rubidium

The LCR-900 is a low-cost, low-grade-in-performance Rb reference source. It is PCB mountable to seamlessly upgrade OCXO crystal oscillators.

Features

- PCB Mountable.
- Alternative to Marginal High-End OCXO Performance.
- Compatible to OCXO Connectivity.
- Size: 74 x 77 x 40mm, 2.91 x 3.03 x 1.6 in.

Stability

- Low Grade.
- Over Temp. Over Temp. <math><3E-10</math> (-5/60°C).
- Short Term: 3E-12/100s.
- Long Term: 5E-11/month.