

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Rubidium Atomic Clock Market 2018, Forecast to 2023

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Abstracts

Rubidium atomic clock or rubidium standard, is a high accuracy frequency and time standard. Rubidium atomic clocks, the simplest and most compact of other atomic clocks, use a glass cell of rubidium gas that changes its absorption of light at the optical rubidium frequency when the surrounding microwave frequency is just right. Atomic Clock is a precision clock that depends for its operation on an electrical oscillator regulated by the natural vibration frequencies of an atomic system (as a beam of cesium atoms).

Scope of the Report:

This report focuses on the Rubidium Atomic Clock in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Vectron International, a leader in the design and manufacture of Precision Oscillators, Timing Solutions and SAW Filters for Communication, Industrial, Military and Space applications and AccuBeat a world leader in the design and manufacture of high precision atomic clocks and time and frequency solutions, announced the introduction of the Nano Atomic Clock (NAC1) The product offering will be showcased in hall B6 booth 336, at the Electronica Show in Munich, Germany from November 8th–11th.

"We are excited that our partner AccuBeat has released the NAC1 for production" stated David Bail General Manager of Vectron's Precision Oscillator Products group.

"This product bridges the gap between oven controlled crystal oscillators and traditional rubidium standards. No other product on the market provides this combination of size, weight, power and aging."

The Nano Atomic Clock utilizes the quantum physics principle of coherent population trapping (CPT) in a rubidium vapor cell to deliver aging rates of 1 ppb/year in a package that is one tenth the size of traditional rubidium, with an order of magnitude reduction in power consumption. The aging rate is 10 times better than any similar product currently released to the market, and due to the manufacturing techniques employed in its construction, the vapor cell reliability ensures the aging rate will be met during the operational life of the unit.

Benny Levy, AccuBeat CEO added, "AccuBeat continues to develop and expand its range of Rubidium standards with the introduction of the innovative NAC1. Further versions of the NAC are already under development and will concentrate on even lower power consumption, a reduced form factor and improvements in some of the key parameters. Customers who have already purchased the NAC1 are very happy with the product and its performance."

The worldwide market for Rubidium Atomic Clock is expected to grow at a CAGR of roughly over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Microsemi

Spectratime

Frequency Electronics

AccuBeat Ltd

Excelitas Technologies

Stanford Research Systems

IQD

Casic

Chengdu Spaceon Electronics

Zurich Instruments

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Production Frequency: 5MHz

Production Frequency: 5-10MHz

Production Frequency: 10MHz

Market Segment by Applications, can be divided into

Navigation

Military/Aerospace

Telecom/Broadcasting

Others

There are 15 Chapters to deeply display the global Rubidium Atomic Clock market. Chapter 1, to describe Rubidium Atomic Clock Introduction, product scope, market

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Rubidium Atomic Clock Mark...

overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Rubidium Atomic Clock, with sales, revenue, and price of Rubidium Atomic Clock, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Rubidium Atomic Clock, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Rubidium Atomic Clock market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Rubidium Atomic Clock sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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