

Spectrum Analyzer Market by Product (Handheld Spectrum Analyzer, Portable Spectrum Analyzer, and Benchtop Spectrum Analyzer), Network Technology (Wired and Wireless), and End User (Automotive & Transportation, IT & Telecommunication, Medical & Healthcare, Semiconductors & Electronics, Industrial & Energy, Aerospace & Defense, and Others): Global Opportunity Analysis and Industry Forecast, 2017-2023

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Abstracts

The global spectrum analyzer market is expected to reach \$1,813 million in 2023, from \$1,068 million in 2016, growing at a CAGR of 7.7% from 2017 to 2023. A spectrum analyzer is a laboratory instrument that measures signal amplitude (strength) as it varies by signal frequency. A spectrum is a collection of sine waves that when combined accurately generate the time-domain signal under analysis. Spectrum analyzers are widely used within the electronics industry for analyzing the frequency spectrum of radio frequency and audio signals. These are an essential element of test equipment for designing or repairing electronic equipment that use radio frequency signals.

The factors that drive the market growth are rise in demand for wireless and advanced technologies among the consumers and growth in IT & telecommunication industry. In addition, multi-tasking capabilities, technological advancements, and substantial advancements in terms of bandwidth & frequency as compared to oscilloscopes are some of the other growth factors. However, less availability of low-cost spectrum analyzers restrains the market growth. Moreover, high growth rate of semiconductor & electronic industry and rise in trend of wave analysis are expected to provide lucrative

opportunities for the market growth.

The global spectrum analyzer market is segmented based on product, network technology, end user, and geography. Based on product, it is classified into handheld spectrum analyzer, portable spectrum analyzer, and benchtop spectrum analyzer. The network technology segment is bifurcated into wired and wireless. On the basis of end user, it is categorized into automotive & transportation, IT & telecommunication, medical & healthcare, semiconductors & electronics, industrial & energy, aerospace & defense, and others. Geographically, it is analyzed across North America (U.S., Mexico, and Canada), Europe (UK, Germany, France, and rest of Europe), Asia-Pacific (China, India, Japan, and rest of Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa).

Major companies profiled in the report include Advantest Corporation, Teledyne Lecroy, Fortive Corporation, Yokogawa Electric Corporation, Anritsu Corporation, Rohde & Schwarz GmbH & Co., Kg., National Instruments Corporation, Keysight Technologies, Giga-tronics Incorporated, and B&K Precision Corporation.

KEY BENEFITS FOR STAKEHOLDERS

Comprehensive analysis of the current trends and future estimations in the global spectrum analyzer market is provided.

The report offers a competitive scenario of the market with growth trends, structure, drivers, scope, opportunities, and challenges.

It includes a detailed analysis of the key segments to provide insights on market dynamics.

Porter's Five Forces analysis highlights the potential of buyers and suppliers and the competitive structure of the market to devise effective growth strategies and facilitate better decision-making.

KEY MARKET SEGMENTS

BY PRODUCT

Handheld Spectrum Analyzer

Portable Spectrum Analyzer

Benchtop Spectrum Analyzer

BY NETWORK TECHNOLOGY

Wired

Wireless

BY END USER

Automotive & Transportation

IT & Telecommunication

Medical & Healthcare

Semiconductors & Electronics

Industrial & Energy

Aerospace & Defense

Others

BY GEOGRAPHY

North America

U.S.

Mexico

Canada

Europe

UK

Germany

France

Rest of Europe

Asia-Pacific

China

Japan

India

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

KEY PLAYERS

Advantest Corporation

Teledyne Lecroy

Fortive Corporation

Yokogawa Electric Corporation

Anritsu Corporation

Rohde & Schwarz GmbH & Co., Kg.

National Instruments Corporation

Keysight Technologies

Giga-tronics Incorporated

B&K Precision Corporation

The other players in the value chain include (profiles not included in the report):

Cobham PLC.

Avcom of Virginia Inc.

Stanford Research Systems, Inc.

Bird Technologies

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