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Signal Generator Market by Product, Technology, Applications, End Users (Telecommunication, Electronics Manufacturing, Industrial, Aerospace & Defense, Automotive, Education, and Medical), and by Geography - Global Forecast to 2015 - 2020

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Abstracts

Signal generators are used to generate complex real time signals for real world applications in testing and measurement. A signal generator provides an accurate calibrated range of simple repetitive waveforms or acts as a single shot triggering source in case of arbitrary waveform generators. The signal from a signal generator can be adjusted in accordance with the frequency, output voltage, impedance, and modulation of the signal. Signal generators are being utilized for a number of applications across end user verticals such as telecommunication, electronics manufacturing, industrial, aerospace & defense, automotive, education & medical sector. The global signal generator market is expected to grow from USD 754.6 million in 2014 to USD 1222.8 million in 2020, at a CAGR of 8.23% during the forecast period (2015–2020).

The rise in modern communication systems in the telecommunication sector and increasing number manufacturing plants in the APAC region are some of the key drivers of the global signal generator technology. However, pricing pressure leading to intense competition remains one of the biggest restraints of the signal generator market. Interdisciplinary use of technologies for the signal generator and the human machine interface field are the areas of high potential growth opportunity for signal generator in the near future. The most important challenge ahead for global signal generator providers is to keep up the pace with the constantly evolving and developing technologies in the test and measurement sector. The key to success, however, is to improve collaboration with the customers to get a deeper understanding of customer

requirements and work together towards better solutions.

In this report which covers the overall hardware and software market, the global signal generator market by hardware has been segmented based on product (general-purpose, special-purpose, function Generator), technology (2G, 3G, 3.5G to 4G), applications (designing, testing, manufacturing, certification troubleshooting, and repairing), end users (telecommunication, electronics manufacturing, industrial, aerospace & defense, automotive, education & medical sector), geography (North America, APAC, Europe, and the Rest of the World). Market sizes for major countries have also been covered in this report. North America holds the largest share in the global signal generator market as well as in the telecommunication segment of the global signal generator market. The demand for signal generators in aerospace & defense and telecommunication sectors is driving the growth of this market in North America.

Some of the companies involved in the market include Keysight Technologies Inc. (U.S.), Rohde & Schwarz Gmbh & Co Kg (Germany), National Instruments Corporation (U.S.), Anritsu Corporation (Japan), Tektronix Inc. (U.S.), Teledyne Technologies Incorporated (U.S.), B&K Precision Corporation (U.S.), and Keithley Instruments Inc. (U.S.).

This report will cater to the needs of leading manufacturers, suppliers, and service providers in the global signal generator market. This report will cater to the needs of leading manufacturers, suppliers, and service providers in the global signal generator market. Other parties that could benefit from the report include research organizations, educational institutes, consulting firms, business development executives, C-level employees and VPs. Our report will help you analyze new opportunities and potential revenue sources and enhance your decision making process for new business strategies. The quantitative and qualitative information in the report along with our comprehensive analysis will help you stay competitively ahead in the market.

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