

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

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Abstracts

A chemical sensor is a device that transforms chemical information (composition, presence of a particular element or ion, concentration, chemical activity, partial pressure...) into an analytically useful signal. The chemical information, mentioned above, may originate from a chemical reaction of the analyte or from a physical property of the system investigated. They can have applications in different areas such as medicine, home safety, environmental pollution and many others.

SCOPE OF THE REPORT:

This report focuses on the Chemical Sensors 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. The top manufacturers are ABB, 3M, Emerson Electric, Delphi Automotive, Delphian Corporation, NGK SPARK PLUG, Honeywell, Siemens, Xylem Inc, Thermo Fisher Scientific, Teledyne Technologies Incorporated, Industrial Scientific and GE Measurement & Control. The competition is intense. The market for chemical sensors can be segmented on the basis of technology such as optical, electrochemical, Semiconductor, catalytic bead and others. These sensors are widely used in automotive, medical, industrial and some other industries. North America and Europe are leading regions for this market whereas Asia Pacific and RoW are expected to show significant demand in near future.

A continued rebound in light vehicle production, along with the increasing use of advanced, higher cost universal exhaust gas oxygen (UEGO) sensors to improve vehicle fuel efficiency and performance, will drive advances. Growth will also be supported by healthy increases in medical chemical sensor demand as the continued

aging of the baby boomer generation leads to above average growth in the diagnosis of diabetes and other chronic conditions. More broadly, gains across the entire industry will be supported by strong unit volume demand as lower average prices for most product types, and improved chemical sensor performance due to technology advancements, encourage expanded sensor use and facilitate the development of new applications and markets.

China's chemical sensors industry has developed into a national wide status with certain research and production capacity, industry product mix has gradually improved. The production technology in China is relatively laggard to produce some low-end product and the high-end product is still relying on import.

Although chemical sensors brings a lot of opportunities, the study group recommends the new entrants just having money but without technical advantage and upstream and downstream support do not to enter into this field.

The worldwide market for Chemical Sensors is expected to grow at a CAGR of roughly 7.6% over the next five years, will reach 35400 million US\$ in 2023, from 22900 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

ABB

3M

Emerson Electric

Delphi Automotive

Delphian Corporation

NGK SPARK PLUG

Honeywell

Siemens

Xylem Inc

Thermo Fisher Scientific

Teledyne Technologies Incorporated

Industrial Scientific

GE Measurement & Control

Nemoto

DENSO Auto Parts

Intelligent Optical Systems

International Sensor

Mine Safety Appliances Company

Bosch

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

Electrochemical Sensors

Optical Sensors

Semiconductor Sensors

Pellistor/Catalytic Bead Sensors

Other

Market Segment by Applications, can be divided into

Industrial

Environmental Monitoring

Medical

Homeland Security

Automotive

There are 15 Chapters to deeply display the global Chemical Sensors market.

Chapter 1, to describe Chemical Sensors Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Chemical Sensors, with sales, revenue, and price of Chemical Sensors, 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 Chemical Sensors, 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, Chemical Sensors market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Chemical Sensors sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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