

2018 Top 5 Chemical Sensors Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

<https://marketpublishers.com/r/278AE8516F5EN.html>

Date: July 2018

Pages: 144

Price: US\$ 4,960.00 (Single User License)

ID: 278AE8516F5EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

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.

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.

Over the next five years, LPI(LP Information) projects that Chemical Sensors will register a 7.6% CAGR in terms of revenue, reach US\$ 35400 million by 2023, from US\$ 22900 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

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, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Chile, Peru and Argentina)

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

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Electrochemical Sensors

Optical Sensors

Semiconductor Sensors

Pellistor/Catalytic Bead Sensors

Other

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Industrial

Environmental Monitoring

Medical

Homeland Security

Automotive

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