

2018-2023 Global Chemical Sensors Consumption Market Report

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Abstracts

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

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Chemical Sensors market for 2018-2023. 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 presents a comprehensive overview, market shares, and growth opportunities of Chemical Sensors market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Electrochemical Sensors

Optical Sensors

Semiconductor Sensors

Pellistor/Catalytic Bead Sensors

Other

Segmentation by application:

Industrial

Environmental Monitoring

Medical

Homeland Security

Automotive

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

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

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Chemical Sensors consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Chemical Sensors market by identifying its

various subsegments.

Focuses on the key global Chemical Sensors manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Chemical Sensors with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Chemical Sensors submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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