

Technology Landscape, Trends and Opportunities in the Global Gas Sensor Market

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Abstracts

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The technologies in gas sensor market have undergone significant change in recent years, with traditional catalyst combustion type t%li%advanced infrared imaging sensor. The rising waves of new technologies, such as photoionization detectors and infrared imagine are creating significant potential for advanced gas sensor in various automotive and consumer applications and driving the demand for gas sensor technologies.

In gas sensor market, electrochemical, photoionization detectors, solid state/metal oxide semiconductor, catalytic, infrared imaging, laser, holographic, and zirconia technologies are used in various end use industries. Stringent government regulation for employee health and safety, growing demand for miniaturized wireless sensors, and increasing awareness regarding air quality control among users are creating new opportunities for various gas sensor technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the gas sensor market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecasts and strategic implications for the global gas sensor market by application, technology, and region as follows:

Technology Readiness by Technology Type

Competitive Intensity and Regulatory Compliance

Disruption Potential by Technology Type

Trends and Forecasts by Technology Type [\$M shipment analysis for 2018 t%li%2030]:

Electrochemical

Photoionization Detectors

Solid State/Metal Oxide Semiconductor

Catalytic

Infrared Imaging

Laser

Holographic

Zirconia

Trends and Forecasts by Application [\$M shipment analysis for 2018 t%li%2030]:

Water & Wastewater Treatment

Electrochemical

Photoionization Detectors

Solid State/Metal Oxide Semiconductor

Catalytic

Infrared Imaging

Laser

Holographic

Zirconia

Medical

Oil and Gas

Electrochemical

Photoionization Detectors

Solid State/Metal Oxide Semiconductor

Catalytic

Infrared Imaging

Laser

Holographic

Zirconia

Automotive and Transportation

Electrochemical

Photoionization Detectors

Solid State/Metal Oxide Semiconductor

Catalytic

Infrared Imaging

Laser

Holographic

Zirconia

Food and Beverages

Electrochemical

Photoionization Detectors

Solid State/Metal Oxide Semiconductor

Catalytic

Infrared Imaging

Laser

Holographic

Zirconia

Metal and Mining

Electrochemical

Photoionization Detectors

Solid State/Metal Oxide Semiconductor

Catalytic

Infrared Imaging

Laser

Holographic

Zirconia

Consumer Electronics

Electrochemical

Photoionization Detectors

Solid State/Metal Oxide Semiconductor

Catalytic

Infrared Imaging

Laser

Holographic

Zirconia

Others

Trends and Forecasts by Region [\$M shipment analysis for 2018 t%li%2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

Latest Developments and Innovations Gas Sensor Technologies

Companies / Ecosystems

Strategic Opportunities by Technology Type

Some of the companies profiled in this report include City Technology, Dynamant, Alphasense, Amphenol Corporation, Bosch Sensortec GmbH, SenseAir, Figaro Engineering, Membrapor, and Sensirion.

This report answers following 9 key questions:

Q.1 What are some of the most promising and high-growth technology opportunities for the gas sensor market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in gas sensor market?

Q.4 What are the levels of technology readiness, competitive intensity and regulatory compliance in this technology space?

Q.5 What are the business risks and threats to these technologies in gas sensor market?

Q.6 What are the latest developments in gas sensor technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Who are the major players in this gas sensor market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this gas sensor technology space?

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- 9.8. Membrapor
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