

Wireless Gas Detection - Global Market Outlook (2020-2028)

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Abstracts

According to Statistics MRC, the Global Wireless Gas Detection Market is accounted for \$1.50 billion in 2020 and is expected to reach \$2.56 billion by 2028 growing at a CAGR of 6.9% during the forecast period. Some of the key factors propelling the market growth include growing adoption of wireless gas detector by chemical industry, rising concerns about worker safety coupled with increasing government initiatives to support worker safety, increasing advancements in sensor technology with various safety features demand by water treatment plant, oil and gas, etc., and wide applicability of gas detectors for industrial safety and environmental safety. However, data security and privacy issues related to wireless communication devices is likely to restraint the market.

A wireless gas detection system is a device used to detect the presence of a gas in a system. It is a part of safety system and is used to detect leakage of hazardous and explosive gases in an industry. The detector is usually connected to a control system that automatically shuts down the process in case of any leakage or situation of emergency. These systems enable real-time safety and security threat detection to help mitigate risk, and protect workers, contractors, the public, and the industry assets. Wireless gas detection offers high accuracy, flexibility, and reliability in the detection of gas leaks and prevents occurrence of any major industrial accident.

By end user, the oil & gas segment is projected to grow at the significant rate during the forecast period, due to increasing adoption of these systems in the oil & gas industry. In the oil & gas industry, gas detection is required for various applications such as confined space entry, emergency response, fence line monitoring, fracking, leak detection, plant shutdown, and worker exposure. Refining facilities involve the use of lubricating oil, wax, and fuel products such as jet fuel gasoline and diesel, all of which

pose a health hazard for workers. Moreover, workers in the oil & gas industry are exposed to hazardous substances such as carbon monoxide, hydrogen sulfide, ammonia, methane, and chlorides, which are released during the process of oil extraction.

On the basis of geography, North America region is expected to have considerable market growth during the forecast period, due to the presence of key players such as Emerson Electric Co., Agilent Technologies, Inc., and Honeywell International, Inc. in the region. In the recent years, the wireless gas detection market has witnessed significant growth in oil & gas and chemicals industries in North America. This growth is attributed to the increasing need for the security and safety of workers working in environments where they are constantly exposed to toxic gases. Moreover, the growing need to prevent industrial accidents caused by undetected gas leakage, and the increasing pressure from insurance companies for ensuring safety is encouraging industries to install wireless gas monitors.

Some of the key players in Wireless Gas Detection Market include Tek Troniks Ltd, Honeywell International Inc., Drägerwerk AG & Co. KGaA, United Electric Controls Company, Agilent Technologies, Inc., Emerson Electric Co., Otis Instruments, Inc., Siemens AG, Sensidyne, Lp, General Electric Company, Yokogawa Electric Corporation, Airtest Technologies Inc., Ambetronics Engineers Pvt. Ltd., Pem-Tech, Inc., Crowcon Detection Instruments Ltd., and Msa Safety Incorporated.

Products Covered:

Nitrogen Oxide

Carbon Dioxide

Oxygen

Carbon Monoxide

Offerings Covered:

Software

Hardware

Services

Technologies Covered:

Cellular/Global Positioning System (GPS) Technology

Bluetooth

License-Free Industrial, Scientific and Medical (ISM) Band

Wireless Fidelity (Wi-Fi)

Infrared Technology

Other Technologies

Sales Channels Covered:

Distributor

Direct Sales

Applications Covered:

National Safety and Military Security

Industrial Safety

Fire & Security Panels

Coal Mines

Environmental Safety

Offshore Platforms

Process or Emission Gas Analysis

Heat Treatment Plants

Tank Forms/ Bullet Yards

End Users Covered:

Utilities and Power Generation

Water and Wastewater Treatment Plants

Government and Military

Chemicals and Petrochemicals

Mining and Metals

Manufacturing Industries

Oil & Gas

Pharmaceuticals

Commercial Buildings and Public Facilities

Food & Beverages

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

France

Italy

UK

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

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