

Analysis of Portable Gas Detection Equipment Market by Research Nester Reveals the Market to Grow with a CAGR of ~4.1% During 2025-2037 and Attain ~USD 7.37 billion by 2037

Research Nester assesses the growth of the global [portable gas detection equipment](#) market which is anticipated to be on account of the growing importance of portable gas detection equipment to prevent unpleasant gas leak accidents.

Research Nester's recent market research analysis on "Portable Gas Detection Equipment Market: Global Demand Analysis & Opportunity Outlook 2037" delivers a detailed competitor's analysis and a detailed overview of the global portable gas detection equipment market in terms of market segmentation by product type, technology, end-user industry, and by region.

Growing Concern for Air Pollution across the Globe to Drive Growth of Global Portable Gas Detection Equipment Market

The global portable gas detection equipment market is estimated to grow majorly on account of the increasing geriatric population worldwide with severe respiratory disease. Hence, the need to install portable gas detection equipment is rising to prevent discomforting situations for geriatrics by checking harmful gas levels in the atmosphere. For instance, as per the statistics published by the World Health Organization, the geriatric population in 2019 was stated to be around 1 billion and is set to hit 1.4 billion by 2030. Additionally, the surge in air pollution owing to the emission of harmful gases from vehicles coupled with rapid industrialization has led the global population to own portable gas detection equipment installation. For instance, it was estimated that almost 11% of the global population lose their lives owing to air pollution.

Moreover, increments in the instances of a gas leak are also one of the major factors to boost the demand for portable gas detection equipment. Portable gas detection equipment is known to detect the gas level in the environment before even entering the area. If these devices are kept in households, they can alarm people before harmful gas reaches above the normal levels. For instance, around 15 people die annually in the United States on account of gas pipelines explosion while the U.S. local fire department stated to get around 100,000 LP gas leaks annually. Apart from that, the growth in the consumption of natural gas is also

projected to enlarge the market size over the forecast period. As the consumption of natural gas rises, it also spikes the production and distribution of gas, which triggers the need for heavy utilization of portable gas detection equipment to prevent any severe incident. For instance, in the United States, approximately 35,000,000 million cubic feet of natural gas were anticipated to be produced in 2021 with a consumption rate of around 30,000,000 million cubic feet.

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Some of the major growth factors and challenges that are associated with the growth of the global portable gas detection equipment market are:

Growth Drivers:

- Higher Demand for Portable Gas Detection Equipment to Reduce Air Pollution
- Surge in the Utilization of Natural Gas

Challenges:

High costs associated with portable gas detection equipment and sensors and reduced investments owing to low-profit margins are some of the major factors anticipated to hamper the growth of the global gas detection equipment market.

By product type, the global portable gas detection equipment market is segmented into wearable gas detectors and non-wearable gas detectors. The wearable segment is to garner the highest share by the end of 2037 by growing at a significant CAGR over the forecast period. Major benefits such as convenient installation, ease to use, and enhanced air quality monitoring offered by the portable gas detection equipment is estimated to drive the segment growth over the forecast period. Additionally, higher utilization of portable gas detection equipment in industrial applications and the detection of harmful gases in the environment is also expected to expand the segment size over the forecast period. These devices are highly useful to prevent air pollution levels from the environment to help people living with severe respiratory diseases in the world. As of 2020, in China, approximately 10,000 million metric tons of carbon were exhibited in the environment. Governments of

various nations are being more aware to resolve this global issue by launching multiple initiatives which are also projected to fuel the segment growth over the forecast period.

By region, the North American portable gas detection equipment market is to hold a share by the end of 2037. This growth is anticipated by higher demand for portable gas detection equipment mainly in the automotive and oil & gas industry. The installation of portable gas detection equipment in the oil and gas industry is a mandate since several people working in this industry, putting their lives at risk. Hence, the growing awareness to provide standard safety mediums is further anticipated to propel the market growth in the region over the forecast period. For instance, as of 2023, in the United States, more than 450,000 people were estimated to be working in Oil Drilling & Gas Extraction industry. Furthermore, the Asia Pacific portable gas detection equipment market is also expected to obtain a total share over the forecast period. In Asia Pacific, the market is projected to grow on the back of escalating utilization of natural gas backed by the growing population in the region. For instance, based on the data provided by EIA, the gas demand in India alone is stated to reach 36% from 2019 to 2050. Therefore, all these factors are estimated to fuel the market growth over the forecast period.

This report also provides the existing competitive scenario of some of the key players of the global portable gas detection equipment market which includes company profiling of Honeywell International, Inc., Siemens Aktiengesellschaft, MSA Company, Drägerwerk AG & Co. KGaA, Ion Science Ltd., Emerson Electric Co., Thermo Fisher Scientific Inc, Halma plc, Trolex Ltd, FIGARO Engineering Inc., and others.

Access our detailed report at: <https://www.researchnester.com/reports/portable-gas-detection-equipment-market/4136>

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