

Smoke Detector Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Smoke Detector Market Overview:

The global smoke detector market size reached US\$ 2.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3.1 Billion by 2028, exhibiting a growth rate (CAGR) of 8% during 2023-2028.

A smoke detector is a smoke-sensing device that automatically detects fire by sensing small particles in the air. It consists of a smoke sensor and smoke alarm that catches the primary indication of fire and produces an audio and visual signal. It is usually housed in a small, round-shaped plastic case and placed on the roofs or ceilings of a room. As smoke detectors are cost-effective, easy to install, and prevent the risk of fire accidents, they are extensively installed in residential, industrial, and commercial complexes worldwide.

Smoke Detector Market Trends:

The growing global population and rapid urbanization are resulting in the rising construction of residential and commercial complexes. This represents one of the key factors influencing the market positively. In addition, the expansion of hospitals, auditoriums, shopping malls, warehouses, residential societies, and manufacturing or industrial spaces is catalyzing the demand for smoke detectors. Apart from this, the rising awareness among individuals about fire safety and the dangerous outcomes of fire outbreaks is driving the demand for smoke detectors as a cost-effective alternative for fire prevention. In line with this, the widespread adoption of photoelectric smoke detectors, which can be attributed to the ability of these devices to detect smoke

relatively faster than ionization alarms, is contributing to the market growth. Furthermore, the introduction of high-performance smart smoke detectors is offering a favorable market outlook. These variants notify the users via smartphones in case the alarm is triggered. Along with this, the emerging trend of digitalization, coupled with the rising penetration of the internet of things (IoT), machine learning (ML), and artificial intelligence (AI) enabled devices, is creating a positive outlook for the market. Additionally, the increasing construction of smart cities and the emerging trend of industrial automation is offering lucrative growth opportunities to leading industry players. Moreover, the implementation of several government initiatives for preventing fire accidents, along with the rapid construction of data centers, is expected to propel the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global smoke detector market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type, power source and end-use sector.

Breakup by Product Type:

- Photoelectric Smoke Detector
- Dual Sensor Smoke Detector
- Ionization Smoke Detector

Photoelectric smoke detectors currently represent the largest market segment on account of their ability of early sensing, which helps avoid false fire alarms.

Breakup by Power Source:

- Hardwired with Battery Backup
- Hardwired without Battery Backup
- Battery Powered

The battery-powered smoke detectors are used as they are easy to install and have a longer shelf life. Additionally, they can detect smoldering fires occurring in residential and commercial spaces.

Breakup by End-Use Sector:

Oil, Gas & Mining
Residential
Commercial
Transportation & Logistics
Manufacturing
Telecommunication
Others

The commercial sector holds the largest market share as commercial buildings are prone to fire and require routine servicing and maintenance of smoke detectors.

Breakup by Region:

North America
United States
Canada
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Latin America
Brazil
Mexico
Argentina
Colombia
Chile

Peru
Others
Middle East and Africa
Turkey
Saudi Arabia
Iran
United Arab Emirates
Others

North America exhibits a clear dominance in the market due to the presence of major manufacturers in the country. Moreover, the US Government is allocating funds for developing new and existing infrastructure projects, which is impelling the market growth.

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being ABB Group, Hochiki Corporation, Honeywell International, Johnson Controls International PLC, Robert Bosch GmbH, Schneider Electric, SECOM CO., LTD, Siemens AG, United Technologies Corporation, Ceasefire Industries Pvt. Ltd.

Key Questions Answered in This Report

1. What was the size of the global smoke detector market in 2022?
2. What is the expected growth rate of the global smoke detector market during 2023-2028?
3. What are the key factors driving the global smoke detector market?
4. What has been the impact of COVID-19 on the global smoke detector market?
5. What is the breakup of the global smoke detector market based on the product type?
6. What is the breakup of the global smoke detector market based on the power source?
7. What is the breakup of the global smoke detector market based on the end-use sector?
8. What are the key regions in the global smoke detector market?
9. Who are the key players/companies in the global smoke detector market?

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