

Flame Detector Market by Product (Single UV, single IR, Dual UV/IR, Triple IR, Multi IR), Connectivity, Industry (Oil & Gas, Energy & Power, Pharmaceuticals, Chemicals, Aerospace & Defense, Marine, Logistics, Automotive) & Region-Global Forecast to 2027

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Report description:

The global flame detector market size is expected to grow from USD 1.7 billion in 2022 to USD 2.1 billion by 2027, at a CAGR of 5.0% during the forecasted period. In the flame detector market, the triple IR flame detector segment is estimated to grow at the second highest rate during the forecast period. The triple IR flame detectors offer the highest immunity to false alarm detection thus improving their reliability. They offer more than double the detection system compared to the single UV or single IR detectors. Triple IR flame detectors also detect IR spectrum in three different IR ranges. These detectors are especially suited for both indoor and outdoor applications in the oil and gas industry.

"Wired flame detectors has the highest market share"

Wired flame detectors have been present in the market since the beginning. Players in the market prominently offer wired flame detectors as compared to wireless. This is a proven technology and is easily available. Additionally, the cost of the wired flame detector is lower compared to wireless flame detectors which drive the purchasing decision. It is expected that the market share of wired flame detectors will be higher compared to the wireless flame detectors over the forecast period as the wireless flame detector technologies are gradually emerging and many companies are still under the research and developing phase or wireless flame detectors.

"Oil and gas industry to hold the highest market share in 2021"

Oil and gas industry has the largest share in the flame detector market in 2021. This is because of the high risk involved in the operations. The oil and gas industry extensively deals with flammable and combustible substances such as petroleum, crude oil and flammable gasses, thus the demand for flame detectors in the highest from the industry to improve the safety of assets and

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workers.

"Asia Pacific is the fastest growing market for flame detectors during the forecast period"

Asia Pacific witnesses the fastest growth during the forecast period. This is due to the growing consumer awareness and the rapidly expanding industrial sector in the region. Some of the key industries such as oil and gas, energy and power, chemical and automotive industries that extensively demand flame detectors are rapidly growing in the Asia Pacific region which is driving the growth in the region. Many players are shifting their focus on the Asia Pacific region as an expansion strategy. The presence of several domestic small and medium sized flame detector players in the Asia Pacific region has created the competitive scenario for the players. China and Japan are the countries that are driving the growth in the Asia Pacific region.

Breakdown of the profiles of primary participants:

- By Company Type: Tier 1 -40%, Tier 2 -30%, and Tier 3 -30%

- By Designation: C-level Executives -40%, Directors-40%, and Others -20%

- By Region: North America -40%, Europe -30%, Asia Pacific-20%, and RoW -10%

The flame detector market is dominated by a few globally established players such as Johnson Controls (Ireland), Carrier Global (US), Honeywell (US), Siemens (Germany), Halma (UK), MSA (US), Robert Bosch (Germany), Emerson Electric (US), Minimax Viking (Germany), and Draeger (Germany), and Teledyne Technologies (US).

Research Coverage

The report segments the flame detector market and forecasts its size, by value, based on region (Asia Pacific, Europe, North America, and RoW), product (Single UV, Single IR, Dual UV/IR, Triple IR, and Multi IR), connectivity (wired, and wireless), and industry (oil & gas, energy & power, chemicals, automotive, logistics, pharmaceuticals, aerospace & defense, and marine). The report also provides a comprehensive review of market drivers, restraints, opportunities, and challenges in the flame detector market. The report also covers qualitative aspects in addition to the quantitative aspects of these markets.

Key Benefits of Buying the Report:

The report will help the leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall market and the sub-segments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the flame detector market and provides them information on key market drivers, restraints, challenges, and opportunities.

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