

Global Portable Odor Sensor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Portable Odor Sensor market size was valued at USD 42 million in 2023 and is forecast to a readjusted size of USD 59 million by 2030 with a CAGR of 4.9% during review period.

Odor sensors are designed to detect some specific odor in an electrical appliance. Each of the odor sensors, such as MOS or QCM sensors, has characteristics that respond to different odors. Odor sensor is much more complicated than gas sensor. It is an in-depth study of the olfactory recognition process by scientists. It is a sensing system that recognizes odor by simulating animal olfactory organs, also known as 'electronic nose'.

The key manufacturers of Portable Odor Sensor in the world are NEW COSMOS ELECTRIC, SHINYEI Technology, PIOVAN, AIRSENSE Analytics, SENKO International, Electronic Sensor, Technology, Sensigent, Aryballe, KALMOR and Scientific Lab Center. The top three manufacturers account for about 99% of the market share, and the largest manufacturer is NEW COSMOS ELECTRIC. The production of portable odor sensor are mainly distributed in Japan, China, Europe and North America, among which the top three regions account for more than 90% of the market share. At present, Japan is the largest production region, with more than 75% of the market share. In terms of products, Hand Held Type account for most of the market share, close to 70%, followed by Desktop Type. In terms of application, environmental monitoring is the largest application field, with a market share of nearly 40%, followed by food and beverage.

The Global Info Research report includes an overview of the development of the Portable Odor Sensor industry chain, the market status of Environmental Monitoring

(Hand Held Type, Desktop Type), Food and Beverage (Hand Held Type, Desktop Type), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Portable Odor Sensor.

Regionally, the report analyzes the Portable Odor Sensor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Portable Odor Sensor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Portable Odor Sensor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Portable Odor Sensor industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Hand Held Type, Desktop Type).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Portable Odor Sensor market.

Regional Analysis: The report involves examining the Portable Odor Sensor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Portable Odor Sensor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Portable Odor Sensor:

Company Analysis: Report covers individual Portable Odor Sensor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Portable Odor Sensor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Environmental Monitoring, Food and Beverage).

Technology Analysis: Report covers specific technologies relevant to Portable Odor Sensor. It assesses the current state, advancements, and potential future developments in Portable Odor Sensor areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Portable Odor Sensor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Portable Odor Sensor market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Hand Held Type

Desktop Type

Market segment by Application

Environmental Monitoring

Food and Beverage

Others

Major players covered

NEW COSMOS ELECTRIC

SHINYEI Technology

PIOVAN

AIRSENSE Analytics

SENKO International

Electronic Sensor Technology

Sensigent

Aryballe

KALMOR

Scientec Lab Center

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Portable Odor Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Portable Odor Sensor, with price, sales, revenue and global market share of Portable Odor Sensor from 2019 to 2024.

Chapter 3, the Portable Odor Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Portable Odor Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Portable Odor Sensor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Portable Odor Sensor.

Chapter 14 and 15, to describe Portable Odor Sensor sales channel, distributors, customers, research findings and conclusion.

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