

# Global PM2.5 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 PM2.5 Sensor market size was valued at USD 439.9 million in 2023 and is forecast to a readjusted size of USD 662.7 million by 2030 with a CAGR of 6.0% during review period.

PM2.5 Sensor is a digital universal particle concentration sensor?it can be used to obtain the number of suspended particulate matter in a unit volume of air within 0.3 to 10 microns, namely the concentration of particulate matter, and output with digital interface, also can output quality data of per particle.

Global key players of PM2.5 sensor include Sensirion, Amphenol Advanced Sensors, Sharp, Cubic Sensor and Instrument, Paragon, etc. Global top three manufacturers hold a share over 45%. The key players are mainly located in Europe, North America, China, Japin, and South Korea. In terms of product, laser sensor is the largest segment, with a share over 80%. And in terms of application, the largest application is home appliance, with a share over 78%, followed by environmental monitoring.

The Global Info Research report includes an overview of the development of the PM2.5 Sensor industry chain, the market status of Home Appliance (Laser Sensor, Infrared Sensor), Automotive (Laser Sensor, Infrared Sensor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of PM2.5 Sensor.

Regionally, the report analyzes the PM2.5 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 PM2.5 Sensor market, with robust domestic demand, supportive policies, and a strong

manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the PM2.5 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 PM2.5 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 (K Units), revenue generated, and market share of different by Type (e.g., Laser Sensor, Infrared Sensor).

**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 PM2.5 Sensor market.

**Regional Analysis:** The report involves examining the PM2.5 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 PM2.5 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 PM2.5 Sensor:

**Company Analysis:** Report covers individual PM2.5 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 PM2.5 Sensor This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Home Appliance, Automotive).

**Technology Analysis:** Report covers specific technologies relevant to PM2.5 Sensor. It assesses the current state, advancements, and potential future developments in PM2.5 Sensor areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the PM2.5 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

PM2.5 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

Laser Sensor

Infrared Sensor

#### Market segment by Application

Home Appliance

Automotive

Environmental Monitoring

Others

#### Major players covered

Sensirion

Amphenol Advanced Sensors

Cubic Sensor and Instrument

Paragon

Sharp

Panasonic

Honeywell

Plantower Technology

Shinyei Group

Winsen

Luftmy Intelligence Technology

Prodrive Technologies

Nova Technology

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 PM2.5 Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PM2.5 Sensor, with price, sales, revenue and global market share of PM2.5 Sensor from 2019 to 2024.

Chapter 3, the PM2.5 Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the PM2.5 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 PM2.5 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 PM2.5 Sensor.

Chapter 14 and 15, to describe PM2.5 Sensor sales channel, distributors, customers, research findings and conclusion.

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