

# **Environmental Monitoring Market Size, Share & Trends by Product Type (Sensors, Indoor Monitors, Outdoor Monitors), Sampling Method (Continuous, Active, Passive, Intermittent), Component, Application, End-User, and Region - Global Forecast to 2029**

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## **Abstracts**

The global environmental monitoring market is projected to reach USD 18.6 billion by 2029 from USD 14.7 billion in 2024, growing at a CAGR of 4.9% during the forecast period. The increasing number of environmental monitoring methods is one of the major factors anticipated to boost market growth in the forecasting years. Additionally, the high cost of environmental monitoring devices affects the growth of the environmental monitoring market.

“The monitors segment to hold the largest share of the market in 2024.”

Based on product, environmental monitoring is segmented into monitors and software. Monitors segment is expected to dominate the environmental monitoring market during the forecast period. Further the monitors segment is divided into three sub-segments, indoor, outdoor, and portable monitors. With the increasing adoption of pollution monitoring strategies across industries, rising public awareness regarding the health impacts of environmental pollution, alongside the ongoing advancement and commercialization of sensors for monitoring the external environment are leading to the growth of this market segment.

“The continuous monitoring segment to hold the largest share of the market in 2024.”

Based on sampling method, the environmental monitoring market is segmented into continuous, active, passive, and intermittent monitoring. The environmental monitoring market is expected to be dominated by continuous monitoring segment during the forecast period. The continuous monitoring is expected to grow due to their real-time monitoring of samples and development of environment-friendly industries.

“The particulate detection segment to hold the largest share of the market in 2024.”

Based on the component, the environmental monitoring market is segmented into temperature sensing, moisture detection, particulate detection, chemical detection, biological detection, and noise measurement. The particulate detection segment is further divided into PM2.5 detection, PM10 detection and other detection. Also, the chemical detection is further segmented into pesticide detection, gas detection, volatile organic compound detection and other chemicals. The particulate detection segment is projected to dominate the environmental monitoring market throughout the forecast period. Escalating levels of PM2.5 and PM10 in the atmosphere leads to the increasing growth of the segment in the market.

“The industrial users segment to hold the largest share of the market in 2024.”

The end user market is segmented into government agencies & smart city authorities, enterprises, commercial users, residential users, healthcare & pharmaceutical industries, industrial users, and other end users. Industrial users accounted for the largest share of the global environmental monitoring market in 2023 during the forecasted years. This can be attributed to the urbanization in emerging countries and growing number of power plants and refineries.

“The market in the APAC region is expected to register highest growth rate for environmental monitoring in 2024.”

The environmental monitoring market covers five key geographies—North America, Europe, Asia Pacific, Latin America, and the Middle East and Africa. In 2023, a significant market share for environmental monitoring was held by the market in the North American region, comprising the US and Canada. On the other hand, the Asia Pacific market is estimated to register the highest growth rate during the forecast period. The stringent regulations that support the greater adoption of pollution monitoring technologies in APAC led to the growth of the environmental monitoring market in this region.

A breakdown of the primary participants referred to for this report is provided below:

By Company Type: Tier 1– 25%, Tier 2– 37%, and Tier 3– 38%

By Designation: C-level– 34%, Directors– 35%, and Others– 31%

By Region: North America– 24%, Europe– 32%, Asia Pacific– 28%, Latin America- 10%, MEA- 6%

The prominent players in the environmental monitoring market are Agilent Technologies (US), Danaher (US), Thermo Fisher Scientific (US), Shimadzu Corporation (Japan), PerkinElmer (US), 3M (US), Emerson Electric Co. (US), bioMérieux S.A. (France), Honeywell International Inc. (US), Merck KGaA (Germany), Siemens AG (Germany), Emerson Electric Co. (US), and Forbes Marshall (India), among others.

### Research Coverage

This report studies the environmental monitoring market based on product, sampling method, component, application, end user, and region. It also covers the factors affecting market growth, analyzes the various opportunities and challenges in the market, and provides details of the competitive landscape for market leaders. Furthermore, the report analyzes micro markets with respect to their individual growth trends and forecasts the revenue of the market segments with respect to five main regions (and the respective countries in these regions).

### Reasons to Buy the Report

The report will enable established firms as well as entrants/smaller firms to gauge the pulse of the market, which, in turn, would help them to garner a larger market share. Firms purchasing the report could use one or a combination of the below-mentioned strategies to strengthen their market presence.

This report provides insights on the following pointers:

Analysis of key drivers (Increasing need for efficient natural resource management, Development of wireless cellular and non-cellular communication technologies, Increased health concerns due to rising pollution levels), restraints (High costs associated with environmental monitoring products), opportunities

(Increased health concerns due to rising pollution levels, Supportive government rules and regulations to reduce environmental pollution, Growing oil & gas industry, Development of high-end environmental monitoring systems based on nanotechnology), and challenges (Slow adoption of pollution control policies) influencing the growth of the environmental monitoring market

**Market Penetration:** Comprehensive information on the product portfolios offered by the top players in the environmental monitoring market

**Service Development/Innovation:** Detailed insights on the upcoming trends, R&D activities, and service developments in the environmental monitoring market

**Market Development:** Comprehensive information on lucrative emerging regions

**Market Diversification:** Exhaustive information about new services, growing geographies, and recent developments in the environmental monitoring market

**Competitive Assessment:** In-depth assessment of market segments, growth strategies, revenue analysis, and services of the leading market players.

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