

Global Air Quality Monitoring System Market Size Study & Forecast, by Type (Indoor Monitors, Outdoor Monitors), By End-User (Commercial & Residential, Public Infrastructure, Power generation plants, Pharmaceutical Industry, Others), and Regional Analysis, 2023-2030

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Abstracts

Global Air Quality Monitoring System Market is valued approximately at USD 5.62 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 7.5% over the forecast period 2023-2030. The term 'air quality monitoring' (AQM) refers to the ongoing measurement of air pollutants, often known as 'criteria air pollutants. "Air quality monitoring systems are used to chart changes in air quality over time and to identify regions with high pollution levels. It detects several contaminants, including nitrous oxide, carbon monoxide, particulate matter, sulfur dioxide, and volatile organic compounds (VOC). The need for air quality monitors has increased as a result of better air quality because contaminated air includes dangerous contaminants that result in health issues. Data on air pollution monitoring and control are crucial for national and local governments, public and private businesses and international organizations to assess air pollution and develop environmental pollution laws. The Air Quality Monitoring System Market is expanding because of factors such as the growing concerns over rising air pollution, growing urbanization and industrialization, rising focus on reducing greenhouse gas emissions, and a surge in the need for air quality monitoring around the globe.

In addition, the rising number of supportive government regulations for effective weather pollution monitoring and control is exhibiting a positive influence on the market development globally. For instance, in November 2021, The National Clean Air

Programme (NCAP) of the Union government announced several initiatives to control air pollution in India's Pune Municipal Corporation (PMC). The project is aiming to strengthen and expand the air quality monitoring network across the nation by raising public awareness and ensuring the strict implementation of measures for the abatement, prevention, and control levels of air pollution. Similarly, in 2021, The European Parliament evaluated the effectiveness of the 'EU policy on Air Quality'. The objective of this policy is to monitor, evaluate, and set criteria for air quality. The establishment of a network of air quality measuring stations in various zones or agglomerations was mandated for the European Union's member states. The assessment ensured conformity by examining if the cities and towns had broken any rules. Consequentially, increasing active government initiatives for air pollution monitoring and control is propelling the growth of the Air Quality Monitoring System Market during the estimated period. Moreover, the favorable public and private initiatives for environmental conservation, as well as the continuous R&D and technological advancements present various lucrative opportunities over the forecasting years. However, the availability of alternate monitoring solutions and the technical limitations associated with a majority of AQM products are challenging the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Air Quality Monitoring System Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the growing concerns over rising air pollution, continuous R&D and technological advancements, and the presence of key manufacturers such as Thermo Fisher Scientific, Emerson Electric, 3M Company, and others. Whereas, Asia Pacific is expected to grow at the highest CAGR over the forecasting years. The increasing number of various supportive government initiatives regarding air quality monitoring activities, the emergence of innovative edge environmental monitoring technologies and the modernization of industrial and public infrastructures are significantly propelling the market demand across the region.

Major market players included in this report are:

Thermo Fisher Scientific (U.S.)

Emerson Electric (U.S.)

3M Company (U.S.)

Horiba, Ltd. (Japan)

Siemens AG (Germany)

Teledyne Technologies (U.S.)

Agilent Technologies (U.S.)

Honeywell (U.S.)

Merck (U.S.)

TSI Incorporated (U.S.)

Recent Developments in the Market:

In October 2021, Ricardo- a strategic consulting firm unveiled that the company provides prime air quality data analysis and monitoring across the Middle East region under their three-year agreement. The company will audit, verify data, and ensure data quality from a world-class monitoring network in the Saudi Arabian capital for the Royal Commission for Riyadh City by integrating with air monitoring equipment vendor Envirozone LLC.

Global Air Quality Monitoring System Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, End-User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Indoor Monitors

Outdoor Monitors

By End-User:

Commercial & Residential
Public Infrastructure
Power generation plants
Pharmaceutical Industry
Others

By Region:**North America**

U.S.
Canada

Europe

UK
Germany
France
Spain
Italy
ROE

Asia Pacific

China
India
Japan
Australia
South Korea
RoAPAC

Latin America

Brazil
Mexico

Middle East & Africa

Saudi Arabia
South Africa
Rest of Middle East & Africa

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