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Global Stationary Air Quality Monitors Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Stationary Air Quality Monitors market size was valued at US$ 5369 million in 2025 and is forecast to a readjusted size of US$ 9049 million by 2032 with a CAGR of 7.8% during review period.

A Stationary Air Quality Monitor is a professional instrument designed for long?term, continuous, online measurement of ambient air quality parameters. It typically consists of a gas sampling subsystem, an array of sensors (including but not limited to particulate matter sensors, gas concentration sensors, and environmental sensors for temperature and humidity), data acquisition and processing units, calibration modules, and display and communication interfaces. Common physical forms include freestanding enclosures, wall?mounted cabinets, and weatherproof outdoor boxes constructed with dust?proof and water?resistant materials suitable for indoor or outdoor environments. The core technology employs electrochemical sensors, laser?scattering particulate counters, and infrared spectroscopy to achieve real?time measurement of atmospheric pollutants such as PM2.5, PM10, O?, NO?, SO?, and CO. Stationary air quality monitors can operate independently or be integrated into smart city environmental monitoring platforms, transmitting data via Ethernet, 4G/5G, LoRa, or NB?IoT. They are widely used in urban air quality governance, industrial emission compliance, public health environments, and smart building air management. These devices emphasize long?term stability, high measurement accuracy, reliable calibration, and automated operation and maintenance. Often paired with data platforms, they support trend analysis, pollution alerts, and regulatory reporting, making them essential infrastructure for government environmental monitoring, enterprise air quality management, and atmospheric research.

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The market development opportunities and main driving factors for stationary air quality monitors stem from multiple long?term structural changes. As global concerns about climate change deepen and air pollution?s impact on public health becomes more prominent, governments worldwide are strengthening air quality standards and environmental regulations, encouraging regulatory bodies to deploy more comprehensive and finely grained real?time air monitoring networks in urban areas, transport hubs, and industrial parks. At the same time, the smart city construction wave is driving the integration of environmental data platforms and IoT technologies, making stationary air quality monitors highly valued for their real?time data capabilities, network connectivity, and long?term stability. On the industrial side, carbon neutrality and green manufacturing have become policy priorities, driving enterprises to adopt more precise monitoring to meet emission permits, environmental impact assessments, and subsequent green supply chain audits. Overall, market growth opportunities mainly derive from policy support, digital transformation, and the growing societal awareness of air health metrics, which are expected to sustain market expansion for stationary air quality monitoring equipment in the coming years.

However, challenges and risks in the market should not be overlooked. First, rapid technological advances and accelerated product iteration put pressure on lower?end products, requiring companies to continuously invest in R&D to maintain competitiveness, posing challenges for smaller manufacturers. Second, the diversity of application scenarios and customer demands for higher accuracy, stability, and data compatibility, along with calibration and after?sales service requirements, calls for manufacturers to build robust quality management and service networks. Third, global supply chain uncertainties, including core sensor procurement fluctuations, logistics cost volatility, and international trade policy changes, may affect production costs and delivery schedules. Moreover, as industry standards become stricter, some non?compliant equipment may be phased out or require costly modifications, posing operational risks for market participants. Thus, despite significant growth prospects, the stationary air quality monitor market still faces multiple technical, service, and regulatory challenges.

In terms of downstream demand trends, the end?user demand is becoming more diversified and intelligent. On one hand, traditional government and environmental agencies remain the largest demand segment, maintaining stable growth in demand for high?precision and long?term operational fixed monitoring equipment. With the refinement of urban air quality management, the need for high resolution and dense monitoring networks increases. On the other hand, public spaces such as transportation hubs, schools, hospitals, and large corporate campuses are increasingly demanding

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transparent air quality management, which favors intelligent, networked, and integrated air monitoring solutions. As industrial internet, edge computing, and AI technologies further evolve, downstream demand will also shift towards intelligent analytics, predictive services, and platform?based operations. Customers are no longer satisfied with data collection alone but seek real?time alerts, historical trend insights, and cross?region comparisons. Additionally, with the promotion of environmental credit systems, carbon trading mechanisms, and green supply chain compliance frameworks, downstream customers are raising standards for data traceability and device reliability, pushing the market towards integrated hardware?software solutions.

This report is a detailed and comprehensive analysis for global Stationary Air Quality Monitors market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Stationary Air Quality Monitors market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Stationary Air Quality Monitors market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Stationary Air Quality Monitors market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Stationary Air Quality Monitors market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Stationary Air Quality Monitors

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To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Stationary Air Quality Monitors market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include IQAir, Aeroqual, Clarity Movement Co., Airly, Met One Instruments, Aclima, Inc., Kaiterra, Airveda, EarthSense, GrayWolf Sensing Solutions, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Stationary Air Quality Monitors market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Wall-mounted

Ceiling Type

Others

Market segment by Detection Technology

Electrochemical Sensor Monitor

Optical/Photometric Monitor

Laser Scattering Particulate Monitor

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Infrared Gas Analyzer

Market segment by Installation Method

Wall?Mounted Air Quality Monitor

Pole/Stand Mounted Air Quality Monitor

Cabinet?Enclosed Fixed Monitor

Market segment by Application

Laboratory

Office

Household

Others

Major players covered

IQAir

Aeroqual

Clarity Movement Co.

Airly

Met One Instruments

Aclima, Inc.

Kaiterra

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Airveda

EarthSense

GrayWolf Sensing Solutions

Horiba Ltd.

Vaisala

Thermo Fisher Scientific

Teledyne Technologies

Servomex

CEM Corp

ENVEA

TSI Inc.

Honeywell International

Siemens AG

AEMC Instruments

PCE Instruments UK Ltd

Kusam?Meco

Innovaer Technologies

Diamond Scientific

Calright Instruments

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Trotec GmbH

Hangzhou Chunlai Technology Co., Ltd.

Hunan Ruika Electronic Technology Co., Ltd.

UTi Technology Co., Ltd.

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 Stationary Air Quality Monitors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Stationary Air Quality Monitors, with price, sales quantity, revenue, and global market share of Stationary Air Quality Monitors from 2021 to 2026.

Chapter 3, the Stationary Air Quality Monitors competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Stationary Air Quality Monitors breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026.and Stationary Air Quality Monitors market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Stationary Air Quality Monitors.

Chapter 14 and 15, to describe Stationary Air Quality Monitors sales channel, distributors, customers, research findings and conclusion.

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3 COMPETITIVE ENVIRONMENT: STATIONARY AIR QUALITY MONITORS BY MANUFACTURER

4 CONSUMPTION ANALYSIS BY REGION

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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