

# Global Ambient Air Quality Analyzer 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 Ambient Air Quality Analyzer market size was valued at US\$ 1143 million in 2025 and is forecast to a readjusted size of US\$ 1556 million by 2032 with a CAGR of 4.5% during review period.

An ambient air quality analyzer is an analytical instrument used to continuously monitor and measure the concentration of pollutants in ambient air. These devices detect and quantify various gaseous pollutants or particulate matter to evaluate air quality conditions and support environmental monitoring and pollution control programs. Typical monitored parameters include sulfur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), ozone (O<sub>3</sub>), volatile organic compounds (VOCs), and particulate matter such as PM<sub>10</sub> and PM<sub>2.5</sub>.

In 2025, the global production of ambient air quality analyzers was 127,000 units, with an average price of US\$8,750 per unit.

Upstream includes manufacturers of gas sensors and detection modules, suppliers of optical and spectroscopic components, electronic control chip producers, sampling system and gas conditioning component suppliers and precision instrument structural part manufacturers. Gas detection modules and optical analysis components represent a significant portion of the cost structure, followed by data processing systems and instrument assembly costs. For high-precision monitoring equipment, core sensors and analytical modules strongly influence overall performance. Downstream applications include government environmental monitoring networks, urban automatic air monitoring stations, industrial emission monitoring systems, traffic pollution monitoring and environmental research programs. Urban air monitoring networks typically consist of

multiple monitoring stations that continuously measure pollutant concentrations and provide data to support environmental policy and pollution control strategies. In industrial zones and large enterprises, these analyzers are also used for environmental compliance monitoring and emission management. Industry trends focus on integrated multi-parameter monitoring systems, compact online monitoring devices, remote data transmission and cloud-based management platforms, as well as high-sensitivity sensing technologies. With the development of smart city infrastructure and digital environmental management, air monitoring equipment is increasingly connected to networked data systems for real-time analysis. At the same time, the use of lower-cost sensors and distributed monitoring devices is expanding the coverage of air quality monitoring networks. Gross margins typically range from 30% to 50%. Standard environmental monitoring instruments generally achieve margins of approximately 30%–40%, while high-precision research-grade or government monitoring station equipment may reach 40%–50%. Key industry barriers include gas detection technologies, calibration capability and long-term measurement stability. Market demand is closely linked to environmental protection policies, investment in air pollution control and the development of smart city monitoring infrastructure.

This report is a detailed and comprehensive analysis for global Ambient Air Quality Analyzer 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 Ambient Air Quality Analyzer market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

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

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

Global Ambient Air Quality Analyzer market shares of main players, shipments in revenue (\$ Million), sales quantity (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 Ambient Air Quality Analyzer

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 Ambient Air Quality Analyzer 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 Thermo Fisher Scientific, Teledyne API, HORIBA, ENVEA, Acoem, OPSIS, Aeroqual, DURAG, Palas, 2B Technologies, etc.

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

### **Market Segmentation**

Ambient Air Quality Analyzer 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

Gaseous Pollutant Analyzer

Particulate Matter Analyzer

Multi-Parameter Air Quality Analyzer

#### Market segment by Detection Principle

Optical Detection Analyzer

Electrochemical Detection Analyzer

## Infrared Absorption Analyzer

### Market segment by Device Configuration

Fixed

Portable

### Market segment by Application

Ambient Air Quality Monitoring

Industrial Emission Monitoring

Urban Environmental Management

Scientific And Environmental Research

Others

### Major players covered

Thermo Fisher Scientific

Teledyne API

HORIBA

ENVEA

Acoem

OPSIS

Aeroqual

DURAG

Palas

2B Technologies

Envira

Focused Photonics

Skyray Instrument

Hebei Sailhero

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 Ambient Air Quality Analyzer product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Ambient Air Quality Analyzer breakdown data are shown at the regional

level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 Ambient Air Quality Analyzer 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 Ambient Air Quality Analyzer.

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

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