Air Quality Monitoring Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 249 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License $4750.00
- Team License (1-7 Users) $5250.00
- Site License $6500.00
- Corporate License $8750.00

Report description:

The air quality monitoring market was valued at USD 4.2 billion in 2020, and it is anticipated to reach USD 6.11 billion by 2027, registering a CAGR of around 5.8% during 2022-2027. The market had definitely faced the consequences of the COVID-19 pandemic, as the lockdowns resulted in less air pollution, particularly in the transport and industrial sector. For example, the Central Pollution Control Board (CPCB), India, published a report on "the Impact of JANTA CURFEW and lockdown on air quality, which revealed that the lockdown resulted in significant improvement in the air quality of the country. Thus, the demand for air quality measurement equipment got reduced in various sectors. The market is likely to get accelerated in the near future due to growing concerns about air quality and the expansion of industrialization in many countries. However, the penetration of cleaner sources of energy like renewables and nuclear energy is expected to hinder the market growth due to the steadily decreasing requirement for the product.

Outdoor air quality equipment is expected to be the fastest-growing segment during the forecast period due to government policies on air quality standards in open spaces.

The technological advancements in air quality monitoring systems create enormous opportunities for the techno-development of devices and their applications. For instance, the recent IoT-based equipment, which are more interactive in their functioning and use new technologies for communicating and delivering data, are in vogue these days. They are termed as the Next Generation Air Quality Monitoring Systems, which are becoming the subject of research for many R&D professionals in the area.

The Asia-Pacific region is expected to dominate the market in the coming years due to the growing rate of urbanization and the industrial activities in developing countries.

Air Quality Monitoring Market Trends

The Outdoor Monitor Segment is Expected to be the Fastest-growing Segment

Outdoor air quality monitoring systems are installed to track the air pollution caused by the transport sector, industrial sector, construction activities, and all other external sources of pollution. The air outside the confined spaces is believed to have more harmful pollutants as compared to indoor air due to the presence of the aforementioned points of sources.

The US government has successfully reduced the average PM 2.5 concentration levels in the nation by 41% in the last decade, to 8.02 micrograms per cubic meter. The targets were achieved by regulatory policies for air quality standards in various sectors, which ultimately led to the high deployment of air quality monitoring systems even at grassroots levels.

In 2021, the European Parliament did the implementation assessment of its "EU policy on Air Quality." The policy's broad objectives were the monitoring and assessment of air quality and setting up of air quality standards. The Member States of the European Union were commanded to establish a network of air quality measuring stations in various zones or agglomerations. The assessment checked the violation of directives by the cities/towns and assured compliance.

In November 2021, the Haryana State Pollution Control Board (HSPCB), India, issued a directive to deploy around 100 air quality monitoring systems across Gurugram. These systems will monitor air and noise pollution levels along with weather parameters such as rainfall, wind velocity, etc. The data was supposed to be delivered to the Integrated Command and Control Centre (ICCC) of GMDA(Gurugram Metropolitan Development Authority).

Such kinds of developments are expected to give a thrust to the outdoor monitor segment of the market during the forecast period.

Asia-Pacific is Expected to Dominate the Market

Air pollution is at alarming levels in Asian countries, which is highly detrimental to the health of the inhabitants. The incumbent situation is particularly due to growing industrialization in developing countries, which has led to the increase in chemical pollutants in the nations, some of which are fatal too.

South Asia is believed to be the epicenter of ambient air pollution. According to the World Air Quality Report 2020, out of the top 40 most polluted cities in the world, 37 are in South Asia. Apart from that, high levels of air pollution are recorded in China, Japan, and India. The countries in the region are leaving no stone unturned to cope with the prevailing state. Many industries and many local colonies or areas in the region have been installed with air quality monitoring systems in recent years.

In February 2021, the Madhya Pradesh Pollution Control Board (MPPCB) launched a tender to erect air quality monitoring stations in a number of cities in the state. The qualified bidders have to supply, install, and commission air quality monitoring systems at 9 Ambient Air Quality Monitoring Stations and also the systems for data online transmission to CPCB and MPPCB servers.

In November 2021, the Vietnamese government announced a new plan for the country's air quality management. The National Plan for Air Quality Management (2021-2025) includes emission controls from sources like industries, transport, agriculture, and construction activities, by installing continuous automatic emissions monitoring equipment.

Owing to such developments, it can be predicted that the Asia-Pacific region is likely to dominate the market during the forecast period.

Air Quality Monitoring Market Competitor Analysis

The air quality monitoring market is fragmented. Some of the major players include Siemens AG, Thermo Fisher Scientific Inc., Horiba Ltd, Emerson Electric Co., and Hawa Dawa GmbH, among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

Table of Contents:

Air Quality Monitoring Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 249 pages | Mordor Intelligence

To place an Order with Scotts International:

- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	$4750.00
	Team License (1-7 Users)	$5250.00
	Site License	$6500.00
	Corporate License	$8750.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-03-04
		Signature