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# Global Black Carbon Sensor Devices for Air/Gas Monitoring Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

https://marketpublishers.com/r/GD8734E9A2FEN.html
Date: September 2024
Pages: 104
Price: US$ 3,480.00 (Single User License)
ID: GD8734E9A2FEN

## Abstracts

BC or carbonaceous compounds in general are a constituent of PM dispersed in the air, and they are a major component of soot. BC's effects on human health are mainly derived from its association with PM. Black Carbon Sensor Devices for Air/Gas Monitoring use optical absorption method to monitor and analysis the mass concentration of black carbon aerosol in air. This report studies the Black Carbon Sensor Devices for Air/Gas Monitoring market, from angles of players, regions, product types and end industries, to analyze the status and the future.

According to our (Global Info Research) latest study, the global Black Carbon Sensor Devices for Air/Gas Monitoring market size was valued at US$ 10.1 million in 2023 and is forecast to a readjusted size of USD 9.2 million by 2030 with a CAGR of -1.4% during review period.

Global Black Carbon Sensor Devices for Air/Gas Monitoring key players include Magee Scientific, AethLabs, KANOMAX, etc. Global top three manufacturers hold a share about 80%.

North America is the largest market, with a share over 40%, followed by Asia-Pacific and Europe, both have a share over 45 percent.

In terms of product, Handheld Type is the largest segment, with a share over 50%. And in terms of application, the largest application is Environmental Monitoring Center & Meteorological Bureau, followed by Institute/University.

This report is a detailed and comprehensive analysis for global Black Carbon Sensor

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Devices for Air/Gas Monitoring 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 2024, are provided.

Key Features:

Global Black Carbon Sensor Devices for Air/Gas Monitoring market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2019-2030

Global Black Carbon Sensor Devices for Air/Gas Monitoring market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2019-2030

Global Black Carbon Sensor Devices for Air/Gas Monitoring market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2019-2030

Global Black Carbon Sensor Devices for Air/Gas Monitoring market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (K USD/Unit), 2019-2024

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 Black Carbon Sensor Devices for Air/Gas Monitoring

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 Black Carbon Sensor Devices for Air/Gas Monitoring 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 Magee Scientific, AethLabs, KANOMAX, MetOne, Teledyne API, Artium, etc.

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

Market Segmentation

Black Carbon Sensor Devices for Air/Gas Monitoring market is split by Type and by Application. For the period 2019-2030, 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

Handheld Type

Desktop Type

Market segment by Application

Environmental Monitoring Center & Meteorological Bureau

Center for Disease Control

Institute/University

Others

Major players covered

Magee Scientific

AethLabs

KANOMAX

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MetOne

Teledyne API

Artium

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 Black Carbon Sensor Devices for Air/Gas Monitoring product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Black Carbon Sensor Devices for Air/Gas Monitoring, with price, sales quantity, revenue, and global market share of Black Carbon Sensor Devices for Air/Gas Monitoring from 2019 to 2024.

Chapter 3, the Black Carbon Sensor Devices for Air/Gas Monitoring competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Black Carbon Sensor Devices for Air/Gas Monitoring breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

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share and growth rate by Type, by Application, from 2019 to 2030.

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 2019 to 2024.and Black Carbon Sensor Devices for Air/Gas Monitoring market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Black Carbon Sensor Devices for Air/Gas Monitoring.

Chapter 14 and 15, to describe Black Carbon Sensor Devices for Air/Gas Monitoring sales channel, distributors, customers, research findings and conclusion.

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