

Global Black Carbon Sensor Devices for Air/Gas Monitoring Market Growth 2025-2031

<https://marketpublishers.com/r/G544D0850BFEN.html>

Date: January 2025

Pages: 104

Price: US\$ 3,660.00 (Single User License)

ID: G544D0850BFEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global Black Carbon Sensor Devices for Air/Gas Monitoring market size is predicted to grow from US\$ 9.5 million in 2025 to US\$ 8.7 million in 2031; it is expected to grow at a CAGR of -1.5% from 2025 to 2031.

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.

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.

LP Information, Inc. (LPI) ' newest research report, the "Black Carbon Sensor Devices

for Air/Gas Monitoring Industry Forecast” looks at past sales and reviews total world Black Carbon Sensor Devices for Air/Gas Monitoring sales in 2024, providing a comprehensive analysis by region and market sector of projected Black Carbon Sensor Devices for Air/Gas Monitoring sales for 2025 through 2031. With Black Carbon Sensor Devices for Air/Gas Monitoring sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Black Carbon Sensor Devices for Air/Gas Monitoring industry.

This Insight Report provides a comprehensive analysis of the global Black Carbon Sensor Devices for Air/Gas Monitoring landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Black Carbon Sensor Devices for Air/Gas Monitoring portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Black Carbon Sensor Devices for Air/Gas Monitoring market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Black Carbon Sensor Devices for Air/Gas Monitoring and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Black Carbon Sensor Devices for Air/Gas Monitoring.

This report presents a comprehensive overview, market shares, and growth opportunities of Black Carbon Sensor Devices for Air/Gas Monitoring market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Handheld Type

Desktop Type

Segmentation by Application:

Environmental Monitoring Center & Meteorological Bureau

Center for Disease Control

Institute/University

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Magee Scientific

AethLabs

KANOMAX

MetOne

Teledyne API

Artium

Key Questions Addressed in this Report

What is the 10-year outlook for the global Black Carbon Sensor Devices for Air/Gas Monitoring market?

What factors are driving Black Carbon Sensor Devices for Air/Gas Monitoring market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Black Carbon Sensor Devices for Air/Gas Monitoring market opportunities vary by end market size?

How does Black Carbon Sensor Devices for Air/Gas Monitoring break out by Type, by Application?

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