

Global Black Carbon Sensor Device Market Growth 2025-2031

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Abstracts

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The global Black Carbon Sensor Device market size is predicted to grow from US\$ 9384 million in 2025 to US\$ 8595 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 Device key players include Magee Scientific, AethLabs, KANOMAX, MetOne, etc. Global top four manufacturers hold a share over 80%.

North America is the largest market, with a share about 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 about 65%. And in terms of application, the largest application is Environmental Monitoring Center and Meteorological Bureau, followed by Institute or University , Center for Disease Control, Ambient Measurements, etc.

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

Industry Forecast” looks at past sales and reviews total world Black Carbon Sensor Device sales in 2024, providing a comprehensive analysis by region and market sector of projected Black Carbon Sensor Device sales for 2025 through 2031. With Black Carbon Sensor Device 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 Device industry.

This Insight Report provides a comprehensive analysis of the global Black Carbon Sensor Device 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 Device 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 Device market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Black Carbon Sensor Device 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 Device.

This report presents a comprehensive overview, market shares, and growth opportunities of Black Carbon Sensor Device 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 and Meteorological Bureau

Ambient Measurements

Center for Disease Control

Institute or 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 Device market?

What factors are driving Black Carbon Sensor Device market growth, globally and by region?

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

How do Black Carbon Sensor Device market opportunities vary by end market size?

How does Black Carbon Sensor Device break out by Type, by Application?

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