

Global Magnetic Field Sensors Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Magnetic Field Sensors market size was valued at USD 2942.1 million in 2023 and is forecast to a readjusted size of USD 5220.1 million by 2030 with a CAGR of 8.5% during review period.

Magnetic field sensors are used to measure magnetic flux and/or the strength and direction of a magnetic field. They are used mainly in scientific measurement, navigation, and Consumer Devices. Magnetic field sensors are widely used in automotive, electronics and modern industry to measure the current, position, direction and other physical parameters by induced magnetic field intensity. Magnetic Field Sensors can be classified according to whether they measure the total magnetic field or the vector components of the magnetic field. The techniques used to produce both types of Magnetic Field Sensors encompass many aspects of physics and electronics.

Global 5 largest manufacturers of Magnetic Field Sensors are Infineon, Allegro MicroSystem, Asahi Kasei Microdevices, Shanghai Orient-Chip Technology and NXP, which make up about 54%.

Asia-Pacific is the largest market, with a share over 40%, followed by North America and Europe, with the share about 28% and 22%. In terms of product type, Hall Effect occupy the largest share of the total market, about 67%. And in terms of application, the largest application is Automotive, followed by Consumer Devices and Industrial & Infrastructure.

The Global Info Research report includes an overview of the development of the Magnetic Field Sensors industry chain, the market status of Automotive (Hall Effect,

AMR), Industrial & Infrastructure (Hall Effect, AMR), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Magnetic Field Sensors.

Regionally, the report analyzes the Magnetic Field Sensors markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Magnetic Field Sensors market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Magnetic Field Sensors market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Magnetic Field Sensors industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (M Units), revenue generated, and market share of different by Type (e.g., Hall Effect, AMR).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Magnetic Field Sensors market.

Regional Analysis: The report involves examining the Magnetic Field Sensors market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Magnetic Field Sensors market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Magnetic Field Sensors:

Company Analysis: Report covers individual Magnetic Field Sensors manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Magnetic Field Sensors. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Industrial & Infrastructure).

Technology Analysis: Report covers specific technologies relevant to Magnetic Field Sensors. It assesses the current state, advancements, and potential future developments in Magnetic Field Sensors areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Magnetic Field Sensors market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Magnetic Field Sensors 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.

Market segment by Type

Hall Effect

AMR

GMR

TMR

Others

Market segment by Application

Automotive

Industrial & Infrastructure

Consumer Electronics

Others

Major players covered

Allegro MicroSystem

Infineon

Asahi Kasei Microdevices

TDK

NXP

Melexis

Honeywell

ams OSRAM

Diodes

Texas Instruments

TE Connectivity

Analog Devices

Shanghai Orient-Chip Technology

Murata

MEMSic

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 Magnetic Field Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Magnetic Field Sensors, with price, sales, revenue and global market share of Magnetic Field Sensors from 2019 to 2024.

Chapter 3, the Magnetic Field Sensors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Magnetic Field Sensors 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 application, with sales market share

and growth rate by type, 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 2017 to 2023. and Magnetic Field Sensors market forecast, by regions, type and 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 Magnetic Field Sensors.

Chapter 14 and 15, to describe Magnetic Field Sensors sales channel, distributors, customers, research findings and conclusion.

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