

Global Hall-Effect Sensors for Automotive Market Growth 2025-2031

<https://marketpublishers.com/r/G0E35F7AC66CEN.html>

Date: August 2025

Pages: 135

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

ID: G0E35F7AC66CEN

Abstracts

The global Hall-Effect Sensors for Automotive market size is predicted to grow from US\$ 726 million in 2025 to US\$ 989 million in 2031; it is expected to grow at a CAGR of 5.3% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

The Hall effect sensor is a transducer that adjusts its output voltage based on changes in the magnetic field. When current flows through a conductor, the sensor detects the Hall voltage generated on both sides of the conductor, enabling precise measurement of the magnetic field's strength and direction. This type of sensor is widely used in proximity switches, position detection, speed measurement, and current sensing, offering significant advantages such as non-contact operation, high reliability, and the ability to detect a wide range of magnetic fields. As a critical component, Hall effect sensors play an indispensable role in automotive electronics, consumer electronics, industrial automation, and many other fields.

In the electrification process of modern automobiles, Hall sensors have become key components. The three-electric (battery, motor, and control) systems of new energy vehicles heavily rely on Hall technology: battery management systems use Hall current sensors for accurate charge-discharge monitoring; drive motors depend on Hall position sensors for rotor angle detection, achieving control precision up to 0.1°; in steer-by-wire chassis systems, Hall sensors are widely applied in electric power steering (EPS), electronic throttles, and brake-by-wire systems, replacing traditional mechanical structures. With the evolution of automotive electronic architectures, the number of Hall

sensors per vehicle has exceeded 30, covering more than 20 subsystems, including window lift mechanisms, seat adjustments, and gearshift assemblies.

United States market for Hall-Effect Sensors for Automotive is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Hall-Effect Sensors for Automotive is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Hall-Effect Sensors for Automotive is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Hall-Effect Sensors for Automotive players cover Allegro MicroSystem, Melexis, Infineon, TDK, Asahi Kasei Microdevices, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Hall-Effect Sensors for Automotive Industry Forecast" looks at past sales and reviews total world Hall-Effect Sensors for Automotive sales in 2024, providing a comprehensive analysis by region and market sector of projected Hall-Effect Sensors for Automotive sales for 2025 through 2031. With Hall-Effect Sensors for Automotive sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Hall-Effect Sensors for Automotive industry.

This Insight Report provides a comprehensive analysis of the global Hall-Effect Sensors for Automotive 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 Hall-Effect Sensors for Automotive portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Hall-Effect Sensors for Automotive market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Hall-Effect Sensors for Automotive 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 Hall-Effect Sensors for

Automotive.

This report presents a comprehensive overview, market shares, and growth opportunities of Hall-Effect Sensors for Automotive market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Si-based Materials

InSb-based Materials

GaAs-based Materials

InAs-based Materials

Others

Segmentation by Application:

Passenger Car

Commercial Vehicle

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.

Allegro MicroSystem

Melexis

Infineon

TDK

Asahi Kasei Microdevices

ams OSRAM

NXP

Diodes

Texas Instruments

Suzhou Novosense Microelectronics

Shanghai Orient-Chip Technology

Honeywell

TE Connectivity

Analog Devices

Semiment Technology

Cosemitech

Senksemi-electronics

CrossChip Microsystems

MEMSIC Semiconductor

Key Questions Addressed in this Report

What is the 10-year outlook for the global Hall-Effect Sensors for Automotive market?

What factors are driving Hall-Effect Sensors for Automotive market growth, globally and by region?

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

How do Hall-Effect Sensors for Automotive market opportunities vary by end market size?

How does Hall-Effect Sensors for Automotive break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Hall-Effect Sensors for Automotive Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Hall-Effect Sensors for Automotive by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Hall-Effect Sensors for Automotive by Country/Region, 2020, 2024 & 2031
- 2.2 Hall-Effect Sensors for Automotive Segment by Type
 - 2.2.1 Si-based Materials
 - 2.2.2 InSb-based Materials
 - 2.2.3 GaAs-based Materials
 - 2.2.4 InAs-based Materials
 - 2.2.5 Others
- 2.3 Hall-Effect Sensors for Automotive Sales by Type
 - 2.3.1 Global Hall-Effect Sensors for Automotive Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Hall-Effect Sensors for Automotive Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Hall-Effect Sensors for Automotive Sale Price by Type (2020-2025)
- 2.4 Hall-Effect Sensors for Automotive Segment by Application
 - 2.4.1 Passenger Car
 - 2.4.2 Commercial Vehicle
- 2.5 Hall-Effect Sensors for Automotive Sales by Application
 - 2.5.1 Global Hall-Effect Sensors for Automotive Sale Market Share by Application (2020-2025)

2.5.2 Global Hall-Effect Sensors for Automotive Revenue and Market Share by Application (2020-2025)

2.5.3 Global Hall-Effect Sensors for Automotive Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Hall-Effect Sensors for Automotive Breakdown Data by Company

3.1.1 Global Hall-Effect Sensors for Automotive Annual Sales by Company (2020-2025)

3.1.2 Global Hall-Effect Sensors for Automotive Sales Market Share by Company (2020-2025)

3.2 Global Hall-Effect Sensors for Automotive Annual Revenue by Company (2020-2025)

3.2.1 Global Hall-Effect Sensors for Automotive Revenue by Company (2020-2025)

3.2.2 Global Hall-Effect Sensors for Automotive Revenue Market Share by Company (2020-2025)

3.3 Global Hall-Effect Sensors for Automotive Sale Price by Company

3.4 Key Manufacturers Hall-Effect Sensors for Automotive Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Hall-Effect Sensors for Automotive Product Location Distribution

3.4.2 Players Hall-Effect Sensors for Automotive Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR HALL-EFFECT SENSORS FOR AUTOMOTIVE BY GEOGRAPHIC REGION

4.1 World Historic Hall-Effect Sensors for Automotive Market Size by Geographic Region (2020-2025)

4.1.1 Global Hall-Effect Sensors for Automotive Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Hall-Effect Sensors for Automotive Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Hall-Effect Sensors for Automotive Market Size by Country/Region (2020-2025)

4.2.1 Global Hall-Effect Sensors for Automotive Annual Sales by Country/Region (2020-2025)

4.2.2 Global Hall-Effect Sensors for Automotive Annual Revenue by Country/Region (2020-2025)

4.3 Americas Hall-Effect Sensors for Automotive Sales Growth

4.4 APAC Hall-Effect Sensors for Automotive Sales Growth

4.5 Europe Hall-Effect Sensors for Automotive Sales Growth

4.6 Middle East & Africa Hall-Effect Sensors for Automotive Sales Growth

5 AMERICAS

5.1 Americas Hall-Effect Sensors for Automotive Sales by Country

5.1.1 Americas Hall-Effect Sensors for Automotive Sales by Country (2020-2025)

5.1.2 Americas Hall-Effect Sensors for Automotive Revenue by Country (2020-2025)

5.2 Americas Hall-Effect Sensors for Automotive Sales by Type (2020-2025)

5.3 Americas Hall-Effect Sensors for Automotive Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Hall-Effect Sensors for Automotive Sales by Region

6.1.1 APAC Hall-Effect Sensors for Automotive Sales by Region (2020-2025)

6.1.2 APAC Hall-Effect Sensors for Automotive Revenue by Region (2020-2025)

6.2 APAC Hall-Effect Sensors for Automotive Sales by Type (2020-2025)

6.3 APAC Hall-Effect Sensors for Automotive Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Hall-Effect Sensors for Automotive by Country

- 7.1.1 Europe Hall-Effect Sensors for Automotive Sales by Country (2020-2025)
- 7.1.2 Europe Hall-Effect Sensors for Automotive Revenue by Country (2020-2025)
- 7.2 Europe Hall-Effect Sensors for Automotive Sales by Type (2020-2025)
- 7.3 Europe Hall-Effect Sensors for Automotive Sales by Application (2020-2025)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Hall-Effect Sensors for Automotive by Country
 - 8.1.1 Middle East & Africa Hall-Effect Sensors for Automotive Sales by Country (2020-2025)
 - 8.1.2 Middle East & Africa Hall-Effect Sensors for Automotive Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Hall-Effect Sensors for Automotive Sales by Type (2020-2025)
- 8.3 Middle East & Africa Hall-Effect Sensors for Automotive Sales by Application (2020-2025)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Hall-Effect Sensors for Automotive
- 10.3 Manufacturing Process Analysis of Hall-Effect Sensors for Automotive
- 10.4 Industry Chain Structure of Hall-Effect Sensors for Automotive

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Hall-Effect Sensors for Automotive Distributors
- 11.3 Hall-Effect Sensors for Automotive Customer

12 WORLD FORECAST REVIEW FOR HALL-EFFECT SENSORS FOR AUTOMOTIVE BY GEOGRAPHIC REGION

- 12.1 Global Hall-Effect Sensors for Automotive Market Size Forecast by Region
 - 12.1.1 Global Hall-Effect Sensors for Automotive Forecast by Region (2026-2031)
 - 12.1.2 Global Hall-Effect Sensors for Automotive Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Hall-Effect Sensors for Automotive Forecast by Type (2026-2031)
- 12.7 Global Hall-Effect Sensors for Automotive Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

- 13.1 Allegro MicroSystem
 - 13.1.1 Allegro MicroSystem Company Information
 - 13.1.2 Allegro MicroSystem Hall-Effect Sensors for Automotive Product Portfolios and Specifications
 - 13.1.3 Allegro MicroSystem Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.1.4 Allegro MicroSystem Main Business Overview
 - 13.1.5 Allegro MicroSystem Latest Developments
- 13.2 Melexis
 - 13.2.1 Melexis Company Information
 - 13.2.2 Melexis Hall-Effect Sensors for Automotive Product Portfolios and Specifications
 - 13.2.3 Melexis Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.2.4 Melexis Main Business Overview

- 13.2.5 Melexis Latest Developments
- 13.3 Infineon
 - 13.3.1 Infineon Company Information
 - 13.3.2 Infineon Hall-Effect Sensors for Automotive Product Portfolios and Specifications
 - 13.3.3 Infineon Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.3.4 Infineon Main Business Overview
 - 13.3.5 Infineon Latest Developments
- 13.4 TDK
 - 13.4.1 TDK Company Information
 - 13.4.2 TDK Hall-Effect Sensors for Automotive Product Portfolios and Specifications
 - 13.4.3 TDK Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.4.4 TDK Main Business Overview
 - 13.4.5 TDK Latest Developments
- 13.5 Asahi Kasei Microdevices
 - 13.5.1 Asahi Kasei Microdevices Company Information
 - 13.5.2 Asahi Kasei Microdevices Hall-Effect Sensors for Automotive Product Portfolios and Specifications
 - 13.5.3 Asahi Kasei Microdevices Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.5.4 Asahi Kasei Microdevices Main Business Overview
 - 13.5.5 Asahi Kasei Microdevices Latest Developments
- 13.6 ams OSRAM
 - 13.6.1 ams OSRAM Company Information
 - 13.6.2 ams OSRAM Hall-Effect Sensors for Automotive Product Portfolios and Specifications
 - 13.6.3 ams OSRAM Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.6.4 ams OSRAM Main Business Overview
 - 13.6.5 ams OSRAM Latest Developments
- 13.7 NXP
 - 13.7.1 NXP Company Information
 - 13.7.2 NXP Hall-Effect Sensors for Automotive Product Portfolios and Specifications
 - 13.7.3 NXP Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.7.4 NXP Main Business Overview
 - 13.7.5 NXP Latest Developments

13.8 Diodes

13.8.1 Diodes Company Information

13.8.2 Diodes Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.8.3 Diodes Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 Diodes Main Business Overview

13.8.5 Diodes Latest Developments

13.9 Texas Instruments

13.9.1 Texas Instruments Company Information

13.9.2 Texas Instruments Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.9.3 Texas Instruments Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 Texas Instruments Main Business Overview

13.9.5 Texas Instruments Latest Developments

13.10 Suzhou Novosense Microelectronics

13.10.1 Suzhou Novosense Microelectronics Company Information

13.10.2 Suzhou Novosense Microelectronics Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.10.3 Suzhou Novosense Microelectronics Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.10.4 Suzhou Novosense Microelectronics Main Business Overview

13.10.5 Suzhou Novosense Microelectronics Latest Developments

13.11 Shanghai Orient-Chip Technology

13.11.1 Shanghai Orient-Chip Technology Company Information

13.11.2 Shanghai Orient-Chip Technology Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.11.3 Shanghai Orient-Chip Technology Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 Shanghai Orient-Chip Technology Main Business Overview

13.11.5 Shanghai Orient-Chip Technology Latest Developments

13.12 Honeywell

13.12.1 Honeywell Company Information

13.12.2 Honeywell Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.12.3 Honeywell Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 Honeywell Main Business Overview

13.12.5 Honeywell Latest Developments

13.13 TE Connectivity

13.13.1 TE Connectivity Company Information

13.13.2 TE Connectivity Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.13.3 TE Connectivity Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.13.4 TE Connectivity Main Business Overview

13.13.5 TE Connectivity Latest Developments

13.14 Analog Devices

13.14.1 Analog Devices Company Information

13.14.2 Analog Devices Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.14.3 Analog Devices Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.14.4 Analog Devices Main Business Overview

13.14.5 Analog Devices Latest Developments

13.15 Semiment Technology

13.15.1 Semiment Technology Company Information

13.15.2 Semiment Technology Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.15.3 Semiment Technology Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.15.4 Semiment Technology Main Business Overview

13.15.5 Semiment Technology Latest Developments

13.16 Cosemitech

13.16.1 Cosemitech Company Information

13.16.2 Cosemitech Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.16.3 Cosemitech Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.16.4 Cosemitech Main Business Overview

13.16.5 Cosemitech Latest Developments

13.17 Senksemi-electronics

13.17.1 Senksemi-electronics Company Information

13.17.2 Senksemi-electronics Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.17.3 Senksemi-electronics Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.17.4 Senksemi-electronics Main Business Overview

13.17.5 Senksemi-electronics Latest Developments

13.18 CrossChip Microsystems

13.18.1 CrossChip Microsystems Company Information

13.18.2 CrossChip Microsystems Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.18.3 CrossChip Microsystems Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.18.4 CrossChip Microsystems Main Business Overview

13.18.5 CrossChip Microsystems Latest Developments

13.19 MEMSIC Semiconductor

13.19.1 MEMSIC Semiconductor Company Information

13.19.2 MEMSIC Semiconductor Hall-Effect Sensors for Automotive Product Portfolios and Specifications

13.19.3 MEMSIC Semiconductor Hall-Effect Sensors for Automotive Sales, Revenue, Price and Gross Margin (2020-2025)

13.19.4 MEMSIC Semiconductor Main Business Overview

13.19.5 MEMSIC Semiconductor Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Hall-Effect Sensors for Automotive Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Hall-Effect Sensors for Automotive Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Si-based Materials

Table 4. Major Players of InSb-based Materials

Table 5. Major Players of GaAs-based Materials

Table 6. Major Players of InAs-based Materials

Table 7. Major Players of Others

Table 8. Global Hall-Effect Sensors for Automotive Sales by Type (2020-2025) & (Million Units)

Table 9. Global Hall-Effect Sensors for Automotive Sales Market Share by Type (2020-2025)

Table 10. Global Hall-Effect Sensors for Automotive Revenue by Type (2020-2025) & (\$ million)

Table 11. Global Hall-Effect Sensors for Automotive Revenue Market Share by Type (2020-2025)

Table 12. Global Hall-Effect Sensors for Automotive Sale Price by Type (2020-2025) & (US\$/Unit)

Table 13. Global Hall-Effect Sensors for Automotive Sale by Application (2020-2025) & (Million Units)

Table 14. Global Hall-Effect Sensors for Automotive Sale Market Share by Application (2020-2025)

Table 15. Global Hall-Effect Sensors for Automotive Revenue by Application (2020-2025) & (\$ million)

Table 16. Global Hall-Effect Sensors for Automotive Revenue Market Share by Application (2020-2025)

Table 17. Global Hall-Effect Sensors for Automotive Sale Price by Application (2020-2025) & (US\$/Unit)

Table 18. Global Hall-Effect Sensors for Automotive Sales by Company (2020-2025) & (Million Units)

Table 19. Global Hall-Effect Sensors for Automotive Sales Market Share by Company (2020-2025)

Table 20. Global Hall-Effect Sensors for Automotive Revenue by Company (2020-2025) & (\$ millions)

- Table 21. Global Hall-Effect Sensors for Automotive Revenue Market Share by Company (2020-2025)
- Table 22. Global Hall-Effect Sensors for Automotive Sale Price by Company (2020-2025) & (US\$/Unit)
- Table 23. Key Manufacturers Hall-Effect Sensors for Automotive Producing Area Distribution and Sales Area
- Table 24. Players Hall-Effect Sensors for Automotive Products Offered
- Table 25. Hall-Effect Sensors for Automotive Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
- Table 26. New Products and Potential Entrants
- Table 27. Market M&A Activity & Strategy
- Table 28. Global Hall-Effect Sensors for Automotive Sales by Geographic Region (2020-2025) & (Million Units)
- Table 29. Global Hall-Effect Sensors for Automotive Sales Market Share Geographic Region (2020-2025)
- Table 30. Global Hall-Effect Sensors for Automotive Revenue by Geographic Region (2020-2025) & (\$ millions)
- Table 31. Global Hall-Effect Sensors for Automotive Revenue Market Share by Geographic Region (2020-2025)
- Table 32. Global Hall-Effect Sensors for Automotive Sales by Country/Region (2020-2025) & (Million Units)
- Table 33. Global Hall-Effect Sensors for Automotive Sales Market Share by Country/Region (2020-2025)
- Table 34. Global Hall-Effect Sensors for Automotive Revenue by Country/Region (2020-2025) & (\$ millions)
- Table 35. Global Hall-Effect Sensors for Automotive Revenue Market Share by Country/Region (2020-2025)
- Table 36. Americas Hall-Effect Sensors for Automotive Sales by Country (2020-2025) & (Million Units)
- Table 37. Americas Hall-Effect Sensors for Automotive Sales Market Share by Country (2020-2025)
- Table 38. Americas Hall-Effect Sensors for Automotive Revenue by Country (2020-2025) & (\$ millions)
- Table 39. Americas Hall-Effect Sensors for Automotive Sales by Type (2020-2025) & (Million Units)
- Table 40. Americas Hall-Effect Sensors for Automotive Sales by Application (2020-2025) & (Million Units)
- Table 41. APAC Hall-Effect Sensors for Automotive Sales by Region (2020-2025) & (Million Units)

Table 42. APAC Hall-Effect Sensors for Automotive Sales Market Share by Region (2020-2025)

Table 43. APAC Hall-Effect Sensors for Automotive Revenue by Region (2020-2025) & (\$ millions)

Table 44. APAC Hall-Effect Sensors for Automotive Sales by Type (2020-2025) & (Million Units)

Table 45. APAC Hall-Effect Sensors for Automotive Sales by Application (2020-2025) & (Million Units)

Table 46. Europe Hall-Effect Sensors for Automotive Sales by Country (2020-2025) & (Million Units)

Table 47. Europe Hall-Effect Sensors for Automotive Revenue by Country (2020-2025) & (\$ millions)

Table 48. Europe Hall-Effect Sensors for Automotive Sales by Type (2020-2025) & (Million Units)

Table 49. Europe Hall-Effect Sensors for Automotive Sales by Application (2020-2025) & (Million Units)

Table 50. Middle East & Africa Hall-Effect Sensors for Automotive Sales by Country (2020-2025) & (Million Units)

Table 51. Middle East & Africa Hall-Effect Sensors for Automotive Revenue Market Share by Country (2020-2025)

Table 52. Middle East & Africa Hall-Effect Sensors for Automotive Sales by Type (2020-2025) & (Million Units)

Table 53. Middle East & Africa Hall-Effect Sensors for Automotive Sales by Application (2020-2025) & (Million Units)

Table 54. Key Market Drivers & Growth Opportunities of Hall-Effect Sensors for Automotive

Table 55. Key Market Challenges & Risks of Hall-Effect Sensors for Automotive

Table 56. Key Industry Trends of Hall-Effect Sensors for Automotive

Table 57. Hall-Effect Sensors for Automotive Raw Material

Table 58. Key Suppliers of Raw Materials

Table 59. Hall-Effect Sensors for Automotive Distributors List

Table 60. Hall-Effect Sensors for Automotive Customer List

Table 61. Global Hall-Effect Sensors for Automotive Sales Forecast by Region (2026-2031) & (Million Units)

Table 62. Global Hall-Effect Sensors for Automotive Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 63. Americas Hall-Effect Sensors for Automotive Sales Forecast by Country (2026-2031) & (Million Units)

Table 64. Americas Hall-Effect Sensors for Automotive Annual Revenue Forecast by

Country (2026-2031) & (\$ millions)

Table 65. APAC Hall-Effect Sensors for Automotive Sales Forecast by Region (2026-2031) & (Million Units)

Table 66. APAC Hall-Effect Sensors for Automotive Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 67. Europe Hall-Effect Sensors for Automotive Sales Forecast by Country (2026-2031) & (Million Units)

Table 68. Europe Hall-Effect Sensors for Automotive Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 69. Middle East & Africa Hall-Effect Sensors for Automotive Sales Forecast by Country (2026-2031) & (Million Units)

Table 70. Middle East & Africa Hall-Effect Sensors for Automotive Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 71. Global Hall-Effect Sensors for Automotive Sales Forecast by Type (2026-2031) & (Million Units)

Table 72. Global Hall-Effect Sensors for Automotive Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 73. Global Hall-Effect Sensors for Automotive Sales Forecast by Application (2026-2031) & (Million Units)

Table 74. Global Hall-Effect Sensors for Automotive Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 75. Allegro MicroSystem Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

Table 76. Allegro MicroSystem Hall-Effect Sensors for Automotive Product Portfolios and Specifications

Table 77. Allegro MicroSystem Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 78. Allegro MicroSystem Main Business

Table 79. Allegro MicroSystem Latest Developments

Table 80. Melexis Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

Table 81. Melexis Hall-Effect Sensors for Automotive Product Portfolios and Specifications

Table 82. Melexis Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 83. Melexis Main Business

Table 84. Melexis Latest Developments

Table 85. Infineon Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

- Table 86. Infineon Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 87. Infineon Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 88. Infineon Main Business
- Table 89. Infineon Latest Developments
- Table 90. TDK Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors
- Table 91. TDK Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 92. TDK Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 93. TDK Main Business
- Table 94. TDK Latest Developments
- Table 95. Asahi Kasei Microdevices Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors
- Table 96. Asahi Kasei Microdevices Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 97. Asahi Kasei Microdevices Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 98. Asahi Kasei Microdevices Main Business
- Table 99. Asahi Kasei Microdevices Latest Developments
- Table 100. ams OSRAM Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors
- Table 101. ams OSRAM Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 102. ams OSRAM Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 103. ams OSRAM Main Business
- Table 104. ams OSRAM Latest Developments
- Table 105. NXP Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors
- Table 106. NXP Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 107. NXP Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 108. NXP Main Business
- Table 109. NXP Latest Developments
- Table 110. Diodes Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

- Table 111. Diodes Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 112. Diodes Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 113. Diodes Main Business
- Table 114. Diodes Latest Developments
- Table 115. Texas Instruments Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors
- Table 116. Texas Instruments Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 117. Texas Instruments Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 118. Texas Instruments Main Business
- Table 119. Texas Instruments Latest Developments
- Table 120. Suzhou Novosense Microelectronics Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors
- Table 121. Suzhou Novosense Microelectronics Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 122. Suzhou Novosense Microelectronics Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 123. Suzhou Novosense Microelectronics Main Business
- Table 124. Suzhou Novosense Microelectronics Latest Developments
- Table 125. Shanghai Orient-Chip Technology Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors
- Table 126. Shanghai Orient-Chip Technology Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 127. Shanghai Orient-Chip Technology Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 128. Shanghai Orient-Chip Technology Main Business
- Table 129. Shanghai Orient-Chip Technology Latest Developments
- Table 130. Honeywell Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors
- Table 131. Honeywell Hall-Effect Sensors for Automotive Product Portfolios and Specifications
- Table 132. Honeywell Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 133. Honeywell Main Business
- Table 134. Honeywell Latest Developments

Table 135. TE Connectivity Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

Table 136. TE Connectivity Hall-Effect Sensors for Automotive Product Portfolios and Specifications

Table 137. TE Connectivity Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 138. TE Connectivity Main Business

Table 139. TE Connectivity Latest Developments

Table 140. Analog Devices Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

Table 141. Analog Devices Hall-Effect Sensors for Automotive Product Portfolios and Specifications

Table 142. Analog Devices Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 143. Analog Devices Main Business

Table 144. Analog Devices Latest Developments

Table 145. Semiment Technology Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

Table 146. Semiment Technology Hall-Effect Sensors for Automotive Product Portfolios and Specifications

Table 147. Semiment Technology Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 148. Semiment Technology Main Business

Table 149. Semiment Technology Latest Developments

Table 150. Cosemitech Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

Table 151. Cosemitech Hall-Effect Sensors for Automotive Product Portfolios and Specifications

Table 152. Cosemitech Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 153. Cosemitech Main Business

Table 154. Cosemitech Latest Developments

Table 155. Senksemi-electronics Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

Table 156. Senksemi-electronics Hall-Effect Sensors for Automotive Product Portfolios and Specifications

Table 157. Senksemi-electronics Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 158. Senksemi-electronics Main Business

Table 159. Senksemi-electronics Latest Developments

Table 160. CrossChip Microsystems Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

Table 161. CrossChip Microsystems Hall-Effect Sensors for Automotive Product Portfolios and Specifications

Table 162. CrossChip Microsystems Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 163. CrossChip Microsystems Main Business

Table 164. CrossChip Microsystems Latest Developments

Table 165. MEMSIC Semiconductor Basic Information, Hall-Effect Sensors for Automotive Manufacturing Base, Sales Area and Its Competitors

Table 166. MEMSIC Semiconductor Hall-Effect Sensors for Automotive Product Portfolios and Specifications

Table 167. MEMSIC Semiconductor Hall-Effect Sensors for Automotive Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 168. MEMSIC Semiconductor Main Business

Table 169. MEMSIC Semiconductor Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Hall-Effect Sensors for Automotive
- Figure 2. Hall-Effect Sensors for Automotive Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Hall-Effect Sensors for Automotive Sales Growth Rate 2020-2031 (Million Units)
- Figure 7. Global Hall-Effect Sensors for Automotive Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Hall-Effect Sensors for Automotive Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Hall-Effect Sensors for Automotive Sales Market Share by Country/Region (2024)
- Figure 10. Hall-Effect Sensors for Automotive Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Si-based Materials
- Figure 12. Product Picture of InSb-based Materials
- Figure 13. Product Picture of GaAs-based Materials
- Figure 14. Product Picture of InAs-based Materials
- Figure 15. Product Picture of Others
- Figure 16. Global Hall-Effect Sensors for Automotive Sales Market Share by Type in 2025
- Figure 17. Global Hall-Effect Sensors for Automotive Revenue Market Share by Type (2020-2025)
- Figure 18. Hall-Effect Sensors for Automotive Consumed in Passenger Car
- Figure 19. Global Hall-Effect Sensors for Automotive Market: Passenger Car (2020-2025) & (Million Units)
- Figure 20. Hall-Effect Sensors for Automotive Consumed in Commercial Vehicle
- Figure 21. Global Hall-Effect Sensors for Automotive Market: Commercial Vehicle (2020-2025) & (Million Units)
- Figure 22. Global Hall-Effect Sensors for Automotive Sale Market Share by Application (2024)
- Figure 23. Global Hall-Effect Sensors for Automotive Revenue Market Share by Application in 2025
- Figure 24. Hall-Effect Sensors for Automotive Sales by Company in 2025 (Million Units)

Figure 25. Global Hall-Effect Sensors for Automotive Sales Market Share by Company in 2025

Figure 26. Hall-Effect Sensors for Automotive Revenue by Company in 2025 (\$ millions)

Figure 27. Global Hall-Effect Sensors for Automotive Revenue Market Share by Company in 2025

Figure 28. Global Hall-Effect Sensors for Automotive Sales Market Share by Geographic Region (2020-2025)

Figure 29. Global Hall-Effect Sensors for Automotive Revenue Market Share by Geographic Region in 2025

Figure 30. Americas Hall-Effect Sensors for Automotive Sales 2020-2025 (Million Units)

Figure 31. Americas Hall-Effect Sensors for Automotive Revenue 2020-2025 (\$ millions)

Figure 32. APAC Hall-Effect Sensors for Automotive Sales 2020-2025 (Million Units)

Figure 33. APAC Hall-Effect Sensors for Automotive Revenue 2020-2025 (\$ millions)

Figure 34. Europe Hall-Effect Sensors for Automotive Sales 2020-2025 (Million Units)

Figure 35. Europe Hall-Effect Sensors for Automotive Revenue 2020-2025 (\$ millions)

Figure 36. Middle East & Africa Hall-Effect Sensors for Automotive Sales 2020-2025 (Million Units)

Figure 37. Middle East & Africa Hall-Effect Sensors for Automotive Revenue 2020-2025 (\$ millions)

Figure 38. Americas Hall-Effect Sensors for Automotive Sales Market Share by Country in 2025

Figure 39. Americas Hall-Effect Sensors for Automotive Revenue Market Share by Country (2020-2025)

Figure 40. Americas Hall-Effect Sensors for Automotive Sales Market Share by Type (2020-2025)

Figure 41. Americas Hall-Effect Sensors for Automotive Sales Market Share by Application (2020-2025)

Figure 42. United States Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 43. Canada Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 44. Mexico Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 45. Brazil Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 46. APAC Hall-Effect Sensors for Automotive Sales Market Share by Region in 2025

Figure 47. APAC Hall-Effect Sensors for Automotive Revenue Market Share by Region (2020-2025)

Figure 48. APAC Hall-Effect Sensors for Automotive Sales Market Share by Type (2020-2025)

Figure 49. APAC Hall-Effect Sensors for Automotive Sales Market Share by Application (2020-2025)

Figure 50. China Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 51. Japan Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 52. South Korea Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 53. Southeast Asia Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 54. India Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 55. Australia Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 56. China Taiwan Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 57. Europe Hall-Effect Sensors for Automotive Sales Market Share by Country in 2025

Figure 58. Europe Hall-Effect Sensors for Automotive Revenue Market Share by Country (2020-2025)

Figure 59. Europe Hall-Effect Sensors for Automotive Sales Market Share by Type (2020-2025)

Figure 60. Europe Hall-Effect Sensors for Automotive Sales Market Share by Application (2020-2025)

Figure 61. Germany Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 62. France Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 63. UK Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 64. Italy Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 65. Russia Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 66. Middle East & Africa Hall-Effect Sensors for Automotive Sales Market Share by Country (2020-2025)

Figure 67. Middle East & Africa Hall-Effect Sensors for Automotive Sales Market Share

by Type (2020-2025)

Figure 68. Middle East & Africa Hall-Effect Sensors for Automotive Sales Market Share by Application (2020-2025)

Figure 69. Egypt Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 70. South Africa Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 71. Israel Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 72. Turkey Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 73. GCC Countries Hall-Effect Sensors for Automotive Revenue Growth 2020-2025 (\$ millions)

Figure 74. Manufacturing Cost Structure Analysis of Hall-Effect Sensors for Automotive in 2025

Figure 75. Manufacturing Process Analysis of Hall-Effect Sensors for Automotive

Figure 76. Industry Chain Structure of Hall-Effect Sensors for Automotive

Figure 77. Channels of Distribution

Figure 78. Global Hall-Effect Sensors for Automotive Sales Market Forecast by Region (2026-2031)

Figure 79. Global Hall-Effect Sensors for Automotive Revenue Market Share Forecast by Region (2026-2031)

Figure 80. Global Hall-Effect Sensors for Automotive Sales Market Share Forecast by Type (2026-2031)

Figure 81. Global Hall-Effect Sensors for Automotive Revenue Market Share Forecast by Type (2026-2031)

Figure 82. Global Hall-Effect Sensors for Automotive Sales Market Share Forecast by Application (2026-2031)

Figure 83. Global Hall-Effect Sensors for Automotive Revenue Market Share Forecast by Application (2026-2031)

I would like to order

Product name: Global Hall-Effect Sensors for Automotive Market Growth 2025-2031

Product link: <https://marketpublishers.com/r/G0E35F7AC66CEN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G0E35F7AC66CEN.html>