

Global MEMS Automobile Sensors Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global MEMS Automobile Sensors market size was valued at US\$ 6555 million in 2024 and is forecast to a readjusted size of USD 9118 million by 2031 with a CAGR of 4.9% during review period.

Physical MEMS sensors are the most commonly used sensors in automobiles, and are mainly used in safety systems, anti-lock braking systems (ABS), engine systems, driving navigation, vehicle monitoring and self-diagnosis. At present, the leading products in the automotive MEMS sensor market are pressure sensors, accelerometers, micro gyroscopes, chemical sensors, gas sensors and fingerprint recognition sensors.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

This report is a detailed and comprehensive analysis for global MEMS Automobile Sensors 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 2025, are provided.

Key Features:

Global MEMS Automobile Sensors market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global MEMS Automobile Sensors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global MEMS Automobile Sensors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global MEMS Automobile Sensors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 MEMS Automobile Sensors
- 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 MEMS Automobile Sensors 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 Delphi, Toshiba, Infineon, Visteon, Bosch, Honeywell, Sensata, Freescale, Continental, Denso, etc.

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

Market Segmentation

MEMS Automobile Sensors market is split by Type and by Application. For the period 2020-2031, 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

Pressure Sensor

Accelerometer

Micro Gyroscope

Other

Market segment by Application

Electronic Parking Brake System

ABS

Other

Major players covered

Delphi

Toshiba

Infineon

Visteon

Bosch

Honeywell

Sensata

Freescale

Continental

Denso

Avago

InvenSense

Murata

Amphenol

TE

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 MEMS Automobile Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of MEMS Automobile Sensors, with price, sales quantity, revenue, and global market share of MEMS Automobile Sensors from 2020 to 2025.

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

Chapter 4, the MEMS Automobile Sensors breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025, and MEMS Automobile Sensors market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 MEMS Automobile Sensors.

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

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global MEMS Automobile Sensors Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Pressure Sensor

1.3.3 Accelerometer

1.3.4 Micro Gyroscope

1.3.5 Other

1.4 Market Analysis by Application

1.4.1 Overview: Global MEMS Automobile Sensors Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Electronic Parking Brake System

1.4.3 ABS

1.4.4 Other

1.5 Global MEMS Automobile Sensors Market Size & Forecast

1.5.1 Global MEMS Automobile Sensors Consumption Value (2020 & 2024 & 2031)

1.5.2 Global MEMS Automobile Sensors Sales Quantity (2020-2031)

1.5.3 Global MEMS Automobile Sensors Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Delphi

2.1.1 Delphi Details

2.1.2 Delphi Major Business

2.1.3 Delphi MEMS Automobile Sensors Product and Services

2.1.4 Delphi MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Delphi Recent Developments/Updates

2.2 Toshiba

2.2.1 Toshiba Details

2.2.2 Toshiba Major Business

2.2.3 Toshiba MEMS Automobile Sensors Product and Services

2.2.4 Toshiba MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 Toshiba Recent Developments/Updates

2.3 Infineon

2.3.1 Infineon Details

2.3.2 Infineon Major Business

2.3.3 Infineon MEMS Automobile Sensors Product and Services

2.3.4 Infineon MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Infineon Recent Developments/Updates

2.4 Visteon

2.4.1 Visteon Details

2.4.2 Visteon Major Business

2.4.3 Visteon MEMS Automobile Sensors Product and Services

2.4.4 Visteon MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Visteon Recent Developments/Updates

2.5 Bosch

2.5.1 Bosch Details

2.5.2 Bosch Major Business

2.5.3 Bosch MEMS Automobile Sensors Product and Services

2.5.4 Bosch MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Bosch Recent Developments/Updates

2.6 Honeywell

2.6.1 Honeywell Details

2.6.2 Honeywell Major Business

2.6.3 Honeywell MEMS Automobile Sensors Product and Services

2.6.4 Honeywell MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Honeywell Recent Developments/Updates

2.7 Sensata

2.7.1 Sensata Details

2.7.2 Sensata Major Business

2.7.3 Sensata MEMS Automobile Sensors Product and Services

2.7.4 Sensata MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Sensata Recent Developments/Updates

2.8 Freescale

2.8.1 Freescale Details

2.8.2 Freescale Major Business

- 2.8.3 Freescale MEMS Automobile Sensors Product and Services
- 2.8.4 Freescale MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 Freescale Recent Developments/Updates
- 2.9 Continental
 - 2.9.1 Continental Details
 - 2.9.2 Continental Major Business
 - 2.9.3 Continental MEMS Automobile Sensors Product and Services
 - 2.9.4 Continental MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Continental Recent Developments/Updates
- 2.10 Denso
 - 2.10.1 Denso Details
 - 2.10.2 Denso Major Business
 - 2.10.3 Denso MEMS Automobile Sensors Product and Services
 - 2.10.4 Denso MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Denso Recent Developments/Updates
- 2.11 Avago
 - 2.11.1 Avago Details
 - 2.11.2 Avago Major Business
 - 2.11.3 Avago MEMS Automobile Sensors Product and Services
 - 2.11.4 Avago MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Avago Recent Developments/Updates
- 2.12 InvenSense
 - 2.12.1 InvenSense Details
 - 2.12.2 InvenSense Major Business
 - 2.12.3 InvenSense MEMS Automobile Sensors Product and Services
 - 2.12.4 InvenSense MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 InvenSense Recent Developments/Updates
- 2.13 Murata
 - 2.13.1 Murata Details
 - 2.13.2 Murata Major Business
 - 2.13.3 Murata MEMS Automobile Sensors Product and Services
 - 2.13.4 Murata MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.13.5 Murata Recent Developments/Updates

2.14 Amphenol

2.14.1 Amphenol Details

2.14.2 Amphenol Major Business

2.14.3 Amphenol MEMS Automobile Sensors Product and Services

2.14.4 Amphenol MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.14.5 Amphenol Recent Developments/Updates

2.15 TE

2.15.1 TE Details

2.15.2 TE Major Business

2.15.3 TE MEMS Automobile Sensors Product and Services

2.15.4 TE MEMS Automobile Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.15.5 TE Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: MEMS AUTOMOBILE SENSORS BY MANUFACTURER

3.1 Global MEMS Automobile Sensors Sales Quantity by Manufacturer (2020-2025)

3.2 Global MEMS Automobile Sensors Revenue by Manufacturer (2020-2025)

3.3 Global MEMS Automobile Sensors Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of MEMS Automobile Sensors by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 MEMS Automobile Sensors Manufacturer Market Share in 2024

3.4.3 Top 6 MEMS Automobile Sensors Manufacturer Market Share in 2024

3.5 MEMS Automobile Sensors Market: Overall Company Footprint Analysis

3.5.1 MEMS Automobile Sensors Market: Region Footprint

3.5.2 MEMS Automobile Sensors Market: Company Product Type Footprint

3.5.3 MEMS Automobile Sensors Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global MEMS Automobile Sensors Market Size by Region

4.1.1 Global MEMS Automobile Sensors Sales Quantity by Region (2020-2031)

4.1.2 Global MEMS Automobile Sensors Consumption Value by Region (2020-2031)

4.1.3 Global MEMS Automobile Sensors Average Price by Region (2020-2031)

- 4.2 North America MEMS Automobile Sensors Consumption Value (2020-2031)
- 4.3 Europe MEMS Automobile Sensors Consumption Value (2020-2031)
- 4.4 Asia-Pacific MEMS Automobile Sensors Consumption Value (2020-2031)
- 4.5 South America MEMS Automobile Sensors Consumption Value (2020-2031)
- 4.6 Middle East & Africa MEMS Automobile Sensors Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global MEMS Automobile Sensors Sales Quantity by Type (2020-2031)
- 5.2 Global MEMS Automobile Sensors Consumption Value by Type (2020-2031)
- 5.3 Global MEMS Automobile Sensors Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global MEMS Automobile Sensors Sales Quantity by Application (2020-2031)
- 6.2 Global MEMS Automobile Sensors Consumption Value by Application (2020-2031)
- 6.3 Global MEMS Automobile Sensors Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America MEMS Automobile Sensors Sales Quantity by Type (2020-2031)
- 7.2 North America MEMS Automobile Sensors Sales Quantity by Application (2020-2031)
- 7.3 North America MEMS Automobile Sensors Market Size by Country
 - 7.3.1 North America MEMS Automobile Sensors Sales Quantity by Country (2020-2031)
 - 7.3.2 North America MEMS Automobile Sensors Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe MEMS Automobile Sensors Sales Quantity by Type (2020-2031)
- 8.2 Europe MEMS Automobile Sensors Sales Quantity by Application (2020-2031)
- 8.3 Europe MEMS Automobile Sensors Market Size by Country
 - 8.3.1 Europe MEMS Automobile Sensors Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe MEMS Automobile Sensors Consumption Value by Country (2020-2031)

- 8.3.3 Germany Market Size and Forecast (2020-2031)
- 8.3.4 France Market Size and Forecast (2020-2031)
- 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
- 8.3.6 Russia Market Size and Forecast (2020-2031)
- 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific MEMS Automobile Sensors Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific MEMS Automobile Sensors Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific MEMS Automobile Sensors Market Size by Region
 - 9.3.1 Asia-Pacific MEMS Automobile Sensors Sales Quantity by Region (2020-2031)
 - 9.3.2 Asia-Pacific MEMS Automobile Sensors Consumption Value by Region (2020-2031)
 - 9.3.3 China Market Size and Forecast (2020-2031)
 - 9.3.4 Japan Market Size and Forecast (2020-2031)
 - 9.3.5 South Korea Market Size and Forecast (2020-2031)
 - 9.3.6 India Market Size and Forecast (2020-2031)
 - 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
 - 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

- 10.1 South America MEMS Automobile Sensors Sales Quantity by Type (2020-2031)
- 10.2 South America MEMS Automobile Sensors Sales Quantity by Application (2020-2031)
- 10.3 South America MEMS Automobile Sensors Market Size by Country
 - 10.3.1 South America MEMS Automobile Sensors Sales Quantity by Country (2020-2031)
 - 10.3.2 South America MEMS Automobile Sensors Consumption Value by Country (2020-2031)
 - 10.3.3 Brazil Market Size and Forecast (2020-2031)
 - 10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa MEMS Automobile Sensors Sales Quantity by Type (2020-2031)
- 11.2 Middle East & Africa MEMS Automobile Sensors Sales Quantity by Application

(2020-2031)

11.3 Middle East & Africa MEMS Automobile Sensors Market Size by Country

11.3.1 Middle East & Africa MEMS Automobile Sensors Sales Quantity by Country

(2020-2031)

11.3.2 Middle East & Africa MEMS Automobile Sensors Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 MEMS Automobile Sensors Market Drivers

12.2 MEMS Automobile Sensors Market Restraints

12.3 MEMS Automobile Sensors Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of MEMS Automobile Sensors and Key Manufacturers

13.2 Manufacturing Costs Percentage of MEMS Automobile Sensors

13.3 MEMS Automobile Sensors Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 MEMS Automobile Sensors Typical Distributors

14.3 MEMS Automobile Sensors Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global MEMS Automobile Sensors Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global MEMS Automobile Sensors Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Delphi Basic Information, Manufacturing Base and Competitors

Table 4. Delphi Major Business

Table 5. Delphi MEMS Automobile Sensors Product and Services

Table 6. Delphi MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Delphi Recent Developments/Updates

Table 8. Toshiba Basic Information, Manufacturing Base and Competitors

Table 9. Toshiba Major Business

Table 10. Toshiba MEMS Automobile Sensors Product and Services

Table 11. Toshiba MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Toshiba Recent Developments/Updates

Table 13. Infineon Basic Information, Manufacturing Base and Competitors

Table 14. Infineon Major Business

Table 15. Infineon MEMS Automobile Sensors Product and Services

Table 16. Infineon MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Infineon Recent Developments/Updates

Table 18. Visteon Basic Information, Manufacturing Base and Competitors

Table 19. Visteon Major Business

Table 20. Visteon MEMS Automobile Sensors Product and Services

Table 21. Visteon MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Visteon Recent Developments/Updates

Table 23. Bosch Basic Information, Manufacturing Base and Competitors

Table 24. Bosch Major Business

Table 25. Bosch MEMS Automobile Sensors Product and Services

Table 26. Bosch MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Bosch Recent Developments/Updates

Table 28. Honeywell Basic Information, Manufacturing Base and Competitors

Table 29. Honeywell Major Business

Table 30. Honeywell MEMS Automobile Sensors Product and Services

Table 31. Honeywell MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Honeywell Recent Developments/Updates

Table 33. Sensata Basic Information, Manufacturing Base and Competitors

Table 34. Sensata Major Business

Table 35. Sensata MEMS Automobile Sensors Product and Services

Table 36. Sensata MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Sensata Recent Developments/Updates

Table 38. Freescale Basic Information, Manufacturing Base and Competitors

Table 39. Freescale Major Business

Table 40. Freescale MEMS Automobile Sensors Product and Services

Table 41. Freescale MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Freescale Recent Developments/Updates

Table 43. Continental Basic Information, Manufacturing Base and Competitors

Table 44. Continental Major Business

Table 45. Continental MEMS Automobile Sensors Product and Services

Table 46. Continental MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Continental Recent Developments/Updates

Table 48. Denso Basic Information, Manufacturing Base and Competitors

Table 49. Denso Major Business

Table 50. Denso MEMS Automobile Sensors Product and Services

Table 51. Denso MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Denso Recent Developments/Updates

Table 53. Avago Basic Information, Manufacturing Base and Competitors

Table 54. Avago Major Business

Table 55. Avago MEMS Automobile Sensors Product and Services

Table 56. Avago MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Avago Recent Developments/Updates

Table 58. InvenSense Basic Information, Manufacturing Base and Competitors

Table 59. InvenSense Major Business

Table 60. InvenSense MEMS Automobile Sensors Product and Services

Table 61. InvenSense MEMS Automobile Sensors Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. InvenSense Recent Developments/Updates

Table 63. Murata Basic Information, Manufacturing Base and Competitors

Table 64. Murata Major Business

Table 65. Murata MEMS Automobile Sensors Product and Services

Table 66. Murata MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Murata Recent Developments/Updates

Table 68. Amphenol Basic Information, Manufacturing Base and Competitors

Table 69. Amphenol Major Business

Table 70. Amphenol MEMS Automobile Sensors Product and Services

Table 71. Amphenol MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. Amphenol Recent Developments/Updates

Table 73. TE Basic Information, Manufacturing Base and Competitors

Table 74. TE Major Business

Table 75. TE MEMS Automobile Sensors Product and Services

Table 76. TE MEMS Automobile Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. TE Recent Developments/Updates

Table 78. Global MEMS Automobile Sensors Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 79. Global MEMS Automobile Sensors Revenue by Manufacturer (2020-2025) & (USD Million)

Table 80. Global MEMS Automobile Sensors Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 81. Market Position of Manufacturers in MEMS Automobile Sensors, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 82. Head Office and MEMS Automobile Sensors Production Site of Key Manufacturer

Table 83. MEMS Automobile Sensors Market: Company Product Type Footprint

Table 84. MEMS Automobile Sensors Market: Company Product Application Footprint

Table 85. MEMS Automobile Sensors New Market Entrants and Barriers to Market Entry

Table 86. MEMS Automobile Sensors Mergers, Acquisition, Agreements, and Collaborations

Table 87. Global MEMS Automobile Sensors Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 88. Global MEMS Automobile Sensors Sales Quantity by Region (2020-2025) &

(K Units)

Table 89. Global MEMS Automobile Sensors Sales Quantity by Region (2026-2031) & (K Units)

Table 90. Global MEMS Automobile Sensors Consumption Value by Region (2020-2025) & (USD Million)

Table 91. Global MEMS Automobile Sensors Consumption Value by Region (2026-2031) & (USD Million)

Table 92. Global MEMS Automobile Sensors Average Price by Region (2020-2025) & (US\$/Unit)

Table 93. Global MEMS Automobile Sensors Average Price by Region (2026-2031) & (US\$/Unit)

Table 94. Global MEMS Automobile Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 95. Global MEMS Automobile Sensors Sales Quantity by Type (2026-2031) & (K Units)

Table 96. Global MEMS Automobile Sensors Consumption Value by Type (2020-2025) & (USD Million)

Table 97. Global MEMS Automobile Sensors Consumption Value by Type (2026-2031) & (USD Million)

Table 98. Global MEMS Automobile Sensors Average Price by Type (2020-2025) & (US\$/Unit)

Table 99. Global MEMS Automobile Sensors Average Price by Type (2026-2031) & (US\$/Unit)

Table 100. Global MEMS Automobile Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 101. Global MEMS Automobile Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 102. Global MEMS Automobile Sensors Consumption Value by Application (2020-2025) & (USD Million)

Table 103. Global MEMS Automobile Sensors Consumption Value by Application (2026-2031) & (USD Million)

Table 104. Global MEMS Automobile Sensors Average Price by Application (2020-2025) & (US\$/Unit)

Table 105. Global MEMS Automobile Sensors Average Price by Application (2026-2031) & (US\$/Unit)

Table 106. North America MEMS Automobile Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 107. North America MEMS Automobile Sensors Sales Quantity by Type (2026-2031) & (K Units)

Table 108. North America MEMS Automobile Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 109. North America MEMS Automobile Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 110. North America MEMS Automobile Sensors Sales Quantity by Country (2020-2025) & (K Units)

Table 111. North America MEMS Automobile Sensors Sales Quantity by Country (2026-2031) & (K Units)

Table 112. North America MEMS Automobile Sensors Consumption Value by Country (2020-2025) & (USD Million)

Table 113. North America MEMS Automobile Sensors Consumption Value by Country (2026-2031) & (USD Million)

Table 114. Europe MEMS Automobile Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 115. Europe MEMS Automobile Sensors Sales Quantity by Type (2026-2031) & (K Units)

Table 116. Europe MEMS Automobile Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 117. Europe MEMS Automobile Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 118. Europe MEMS Automobile Sensors Sales Quantity by Country (2020-2025) & (K Units)

Table 119. Europe MEMS Automobile Sensors Sales Quantity by Country (2026-2031) & (K Units)

Table 120. Europe MEMS Automobile Sensors Consumption Value by Country (2020-2025) & (USD Million)

Table 121. Europe MEMS Automobile Sensors Consumption Value by Country (2026-2031) & (USD Million)

Table 122. Asia-Pacific MEMS Automobile Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 123. Asia-Pacific MEMS Automobile Sensors Sales Quantity by Type (2026-2031) & (K Units)

Table 124. Asia-Pacific MEMS Automobile Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 125. Asia-Pacific MEMS Automobile Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 126. Asia-Pacific MEMS Automobile Sensors Sales Quantity by Region (2020-2025) & (K Units)

Table 127. Asia-Pacific MEMS Automobile Sensors Sales Quantity by Region

(2026-2031) & (K Units)

Table 128. Asia-Pacific MEMS Automobile Sensors Consumption Value by Region
(2020-2025) & (USD Million)

Table 129. Asia-Pacific MEMS Automobile Sensors Consumption Value by Region
(2026-2031) & (USD Million)

Table 130. South America MEMS Automobile Sensors Sales Quantity by Type
(2020-2025) & (K Units)

Table 131. South America MEMS Automobile Sensors Sales Quantity by Type
(2026-2031) & (K Units)

Table 132. South America MEMS Automobile Sensors Sales Quantity by Application
(2020-2025) & (K Units)

Table 133. South America MEMS Automobile Sensors Sales Quantity by Application
(2026-2031) & (K Units)

Table 134. South America MEMS Automobile Sensors Sales Quantity by Country
(2020-2025) & (K Units)

Table 135. South America MEMS Automobile Sensors Sales Quantity by Country
(2026-2031) & (K Units)

Table 136. South America MEMS Automobile Sensors Consumption Value by Country
(2020-2025) & (USD Million)

Table 137. South America MEMS Automobile Sensors Consumption Value by Country
(2026-2031) & (USD Million)

Table 138. Middle East & Africa MEMS Automobile Sensors Sales Quantity by Type
(2020-2025) & (K Units)

Table 139. Middle East & Africa MEMS Automobile Sensors Sales Quantity by Type
(2026-2031) & (K Units)

Table 140. Middle East & Africa MEMS Automobile Sensors Sales Quantity by
Application (2020-2025) & (K Units)

Table 141. Middle East & Africa MEMS Automobile Sensors Sales Quantity by
Application (2026-2031) & (K Units)

Table 142. Middle East & Africa MEMS Automobile Sensors Sales Quantity by Country
(2020-2025) & (K Units)

Table 143. Middle East & Africa MEMS Automobile Sensors Sales Quantity by Country
(2026-2031) & (K Units)

Table 144. Middle East & Africa MEMS Automobile Sensors Consumption Value by
Country (2020-2025) & (USD Million)

Table 145. Middle East & Africa MEMS Automobile Sensors Consumption Value by
Country (2026-2031) & (USD Million)

Table 146. MEMS Automobile Sensors Raw Material

Table 147. Key Manufacturers of MEMS Automobile Sensors Raw Materials

Table 148. MEMS Automobile Sensors Typical Distributors

Table 149. MEMS Automobile Sensors Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. MEMS Automobile Sensors Picture

Figure 2. Global MEMS Automobile Sensors Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global MEMS Automobile Sensors Revenue Market Share by Type in 2024

Figure 4. Pressure Sensor Examples

Figure 5. Accelerometer Examples

Figure 6. Micro Gyroscope Examples

Figure 7. Other Examples

Figure 8. Global MEMS Automobile Sensors Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 9. Global MEMS Automobile Sensors Revenue Market Share by Application in 2024

Figure 10. Electronic Parking Brake System Examples

Figure 11. ABS Examples

Figure 12. Other Examples

Figure 13. Global MEMS Automobile Sensors Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 14. Global MEMS Automobile Sensors Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 15. Global MEMS Automobile Sensors Sales Quantity (2020-2031) & (K Units)

Figure 16. Global MEMS Automobile Sensors Price (2020-2031) & (US\$/Unit)

Figure 17. Global MEMS Automobile Sensors Sales Quantity Market Share by Manufacturer in 2024

Figure 18. Global MEMS Automobile Sensors Revenue Market Share by Manufacturer in 2024

Figure 19. Producer Shipments of MEMS Automobile Sensors by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 20. Top 3 MEMS Automobile Sensors Manufacturer (Revenue) Market Share in 2024

Figure 21. Top 6 MEMS Automobile Sensors Manufacturer (Revenue) Market Share in 2024

Figure 22. Global MEMS Automobile Sensors Sales Quantity Market Share by Region (2020-2031)

Figure 23. Global MEMS Automobile Sensors Consumption Value Market Share by Region (2020-2031)

- Figure 24. North America MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 25. Europe MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 26. Asia-Pacific MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 27. South America MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 28. Middle East & Africa MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 29. Global MEMS Automobile Sensors Sales Quantity Market Share by Type (2020-2031)
- Figure 30. Global MEMS Automobile Sensors Consumption Value Market Share by Type (2020-2031)
- Figure 31. Global MEMS Automobile Sensors Average Price by Type (2020-2031) & (US\$/Unit)
- Figure 32. Global MEMS Automobile Sensors Sales Quantity Market Share by Application (2020-2031)
- Figure 33. Global MEMS Automobile Sensors Revenue Market Share by Application (2020-2031)
- Figure 34. Global MEMS Automobile Sensors Average Price by Application (2020-2031) & (US\$/Unit)
- Figure 35. North America MEMS Automobile Sensors Sales Quantity Market Share by Type (2020-2031)
- Figure 36. North America MEMS Automobile Sensors Sales Quantity Market Share by Application (2020-2031)
- Figure 37. North America MEMS Automobile Sensors Sales Quantity Market Share by Country (2020-2031)
- Figure 38. North America MEMS Automobile Sensors Consumption Value Market Share by Country (2020-2031)
- Figure 39. United States MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 40. Canada MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 41. Mexico MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 42. Europe MEMS Automobile Sensors Sales Quantity Market Share by Type (2020-2031)
- Figure 43. Europe MEMS Automobile Sensors Sales Quantity Market Share by

Application (2020-2031)

Figure 44. Europe MEMS Automobile Sensors Sales Quantity Market Share by Country (2020-2031)

Figure 45. Europe MEMS Automobile Sensors Consumption Value Market Share by Country (2020-2031)

Figure 46. Germany MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 47. France MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 48. United Kingdom MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 49. Russia MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 50. Italy MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 51. Asia-Pacific MEMS Automobile Sensors Sales Quantity Market Share by Type (2020-2031)

Figure 52. Asia-Pacific MEMS Automobile Sensors Sales Quantity Market Share by Application (2020-2031)

Figure 53. Asia-Pacific MEMS Automobile Sensors Sales Quantity Market Share by Region (2020-2031)

Figure 54. Asia-Pacific MEMS Automobile Sensors Consumption Value Market Share by Region (2020-2031)

Figure 55. China MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 56. Japan MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 57. South Korea MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 58. India MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 59. Southeast Asia MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 60. Australia MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)

Figure 61. South America MEMS Automobile Sensors Sales Quantity Market Share by Type (2020-2031)

Figure 62. South America MEMS Automobile Sensors Sales Quantity Market Share by Application (2020-2031)

- Figure 63. South America MEMS Automobile Sensors Sales Quantity Market Share by Country (2020-2031)
- Figure 64. South America MEMS Automobile Sensors Consumption Value Market Share by Country (2020-2031)
- Figure 65. Brazil MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 66. Argentina MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 67. Middle East & Africa MEMS Automobile Sensors Sales Quantity Market Share by Type (2020-2031)
- Figure 68. Middle East & Africa MEMS Automobile Sensors Sales Quantity Market Share by Application (2020-2031)
- Figure 69. Middle East & Africa MEMS Automobile Sensors Sales Quantity Market Share by Country (2020-2031)
- Figure 70. Middle East & Africa MEMS Automobile Sensors Consumption Value Market Share by Country (2020-2031)
- Figure 71. Turkey MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 72. Egypt MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 73. Saudi Arabia MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 74. South Africa MEMS Automobile Sensors Consumption Value (2020-2031) & (USD Million)
- Figure 75. MEMS Automobile Sensors Market Drivers
- Figure 76. MEMS Automobile Sensors Market Restraints
- Figure 77. MEMS Automobile Sensors Market Trends
- Figure 78. Porters Five Forces Analysis
- Figure 79. Manufacturing Cost Structure Analysis of MEMS Automobile Sensors in 2024
- Figure 80. Manufacturing Process Analysis of MEMS Automobile Sensors
- Figure 81. MEMS Automobile Sensors Industrial Chain
- Figure 82. Sales Channel: Direct to End-User vs Distributors
- Figure 83. Direct Channel Pros & Cons
- Figure 84. Indirect Channel Pros & Cons
- Figure 85. Methodology
- Figure 86. Research Process and Data Source

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