

Global Automotive Pressure and Temperature Sensor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GD90C144D66EEN.html>

Date: August 2026

Pages: 111

Price: US\$ 3,480.00 (Single User License)

ID: GD90C144D66EEN

Abstracts

According to our (Global Info Research) latest study, the global Automotive Pressure and Temperature Sensor market size was valued at US\$ 338 million in 2025 and is forecast to a readjusted size of US\$ 451 million by 2032 with a CAGR of 4.2% during review period.

In 2025, global production of Automotive Pressure and Temperature Sensor reached 62.42 million units, with an average global market price of USD 5.27 per unit. Total production capacity was about 85 million units, and the industry's average gross margin was 31.2%.

The main upstream raw materials include semiconductor materials, metal materials, and plastic and polymer materials. Key upstream suppliers include Shin-Etsu, TI, Melexis, Murata, and KYOCERA.

Downstream customers include GM, Volkswagen, Honda, BMW, Toyota, BYD, Nissan, and Ford.

An Automotive Pressure and Temperature Sensor is a vehicle-mounted sensor that integrates pressure and temperature measurement functions into a single device. It is used to simultaneously measure pressure and temperature at the same sensing point and transmit the data to the engine control unit (ECU) or the vehicle control system. Its core feature is "multi-parameter integration," enabling the monitoring of two key physical quantities at a single installation location, thereby reducing the number of components, simplifying system layout, and improving system response efficiency.

In automotive applications, this type of sensor is widely used in engine intake systems, turbocharging systems, air conditioning systems, as well as fuel systems and new energy vehicle thermal management systems. For example, in intake manifolds or boost pipelines, pressure is used to determine intake load and boost level, while temperature is used to correct air density and optimize fuel injection strategies. In air conditioning systems, pressure and temperature data are used to assess refrigerant conditions and protect the compressor. In new energy vehicle thermal management systems, these sensors are used to monitor the operating status of cooling circuits, ensuring that the battery and electric drive systems remain within a safe temperature range.

The automotive pressure and temperature sensor market is currently in a growth phase driven by the convergence of vehicle electrification, intelligent control, and increasingly stringent emission and safety regulations. Core demand stems from the need for precise powertrain management and the rising level of vehicle electronics. As Engine Management Systems (EMS), Battery Management Systems (BMS), thermal management systems, and intelligent chassis control systems become increasingly complex, pressure and temperature sensors?serving as critical fundamental sensing components?have expanded their application scope from traditional internal combustion engine vehicles to new energy vehicles (NEVs) and intelligent driving systems, becoming essential for operational safety and energy efficiency optimization.

In terms of application structure, the powertrain remains the primary source of demand, utilized mainly for monitoring engine intake manifold pressure, fuel system pressure, and exhaust temperature. This is followed by the NEV sector, where demand is surging for battery pack thermal management, cooling system pressure monitoring, and electric drive system temperature control. Chassis and braking systems also make extensive use of pressure sensors for ABS, ESP, and electronic brake control; additionally, HVAC and thermal management systems, transmission control systems, and emission control systems represent stable application areas. As electrification advances, the share of NEV-related applications continues to rise.

Regarding technological trends, automotive pressure and temperature sensors are evolving toward higher precision, miniaturization, integration, and digitalization. The widespread adoption of MEMS technology has significantly enhanced sensor stability and response speed, while multi-parameter integrated sensors (combining pressure and temperature) are becoming the mainstream trend to reduce system complexity and installation costs. Furthermore, digital outputs (supporting CAN, LIN, and SENT protocols) are gradually replacing traditional analog signals, thereby improving

compatibility and interference resistance within the vehicle's electronic systems.

Overall, future growth in the automotive pressure and temperature sensor market will continue to benefit from rising NEV penetration, increased vehicle electronics adoption, and stricter emission and safety regulations. Development will focus on multi-parameter fusion sensors, high-precision MEMS technology, upgraded digital communication interfaces, and deep integration within NEV thermal management systems; simultaneously, the evolution toward intelligent driving and domain control architectures will drive continued progress in reliability and integration levels.

This report is a detailed and comprehensive analysis for global Automotive Pressure and Temperature Sensor 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 Automotive Pressure and Temperature Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive Pressure and Temperature Sensor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive Pressure and Temperature Sensor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive Pressure and Temperature Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (M Units), and ASP (US\$/Unit), 2021-2026

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 Automotive Pressure and Temperature Sensor

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 Automotive Pressure and Temperature Sensor 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 Valeo, Bosch, Sensata Technologies, DENSO, Amphenol, Shenzhen Ampron Technology, Shanghai Sinotec, Shanghai Baolong Automotive Technology, TEMB Intelligent Technology, BRIDGEPORT, etc.

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

Market Segmentation

Automotive Pressure and Temperature Sensor market is split by Type and by Application. For the period 2021-2032, 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

Absolute Pressure Type

Gauge Pressure Type

Differential Pressure Type

Market segment by Output Signal Type

Analog Signal

Digital Signal

Market segment by Working Principle

Piezoresistive Type

Capacitive Type

Piezoelectric Type

Fiber Optic Type

Others

Market segment by Application

Passenger Vehicle

Commercial Vehicle

Major players covered

Valeo

Bosch

Sensata Technologies

DENSO

Amphenol

Shenzhen Ampron Technology

Shanghai Sinotec

Shanghai Baolong Automotive Technology

TEMB Intelligent Technology

BRIDGEPORT

Schaeffle

TE Connectivity

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 Automotive Pressure and Temperature Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Pressure and Temperature Sensor, with price, sales quantity, revenue, and global market share of Automotive Pressure and Temperature Sensor from 2021 to 2026.

Chapter 3, the Automotive Pressure and Temperature Sensor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Pressure and Temperature Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Automotive Pressure and Temperature Sensor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Automotive Pressure and Temperature Sensor.

Chapter 14 and 15, to describe Automotive Pressure and Temperature Sensor 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 Automotive Pressure and Temperature Sensor Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Absolute Pressure Type

1.3.3 Gauge Pressure Type

1.3.4 Differential Pressure Type

1.4 Market Analysis by Output Signal Type

1.4.1 Overview: Global Automotive Pressure and Temperature Sensor Consumption Value by Output Signal Type: 2021 Versus 2025 Versus 2032

1.4.2 Analog Signal

1.4.3 Digital Signal

1.5 Market Analysis by Working Principle

1.5.1 Overview: Global Automotive Pressure and Temperature Sensor Consumption Value by Working Principle: 2021 Versus 2025 Versus 2032

1.5.2 Piezoresistive Type

1.5.3 Capacitive Type

1.5.4 Piezoelectric Type

1.5.5 Fiber Optic Type

1.5.6 Others

1.6 Market Analysis by Application

1.6.1 Overview: Global Automotive Pressure and Temperature Sensor Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Passenger Vehicle

1.6.3 Commercial Vehicle

1.7 Global Automotive Pressure and Temperature Sensor Market Size & Forecast

1.7.1 Global Automotive Pressure and Temperature Sensor Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Automotive Pressure and Temperature Sensor Sales Quantity (2021-2032)

1.7.3 Global Automotive Pressure and Temperature Sensor Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Valeo

2.1.1 Valeo Details

2.1.2 Valeo Major Business

2.1.3 Valeo Automotive Pressure and Temperature Sensor Product and Services

2.1.4 Valeo Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Valeo Recent Developments/Updates

2.2 Bosch

2.2.1 Bosch Details

2.2.2 Bosch Major Business

2.2.3 Bosch Automotive Pressure and Temperature Sensor Product and Services

2.2.4 Bosch Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Bosch Recent Developments/Updates

2.3 Sensata Technologies

2.3.1 Sensata Technologies Details

2.3.2 Sensata Technologies Major Business

2.3.3 Sensata Technologies Automotive Pressure and Temperature Sensor Product and Services

2.3.4 Sensata Technologies Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Sensata Technologies Recent Developments/Updates

2.4 DENSO

2.4.1 DENSO Details

2.4.2 DENSO Major Business

2.4.3 DENSO Automotive Pressure and Temperature Sensor Product and Services

2.4.4 DENSO Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 DENSO Recent Developments/Updates

2.5 Amphenol

2.5.1 Amphenol Details

2.5.2 Amphenol Major Business

2.5.3 Amphenol Automotive Pressure and Temperature Sensor Product and Services

2.5.4 Amphenol Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Amphenol Recent Developments/Updates

2.6 Shenzhen Ampron Technology

2.6.1 Shenzhen Ampron Technology Details

- 2.6.2 Shenzhen Ampron Technology Major Business
- 2.6.3 Shenzhen Ampron Technology Automotive Pressure and Temperature Sensor Product and Services
- 2.6.4 Shenzhen Ampron Technology Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.6.5 Shenzhen Ampron Technology Recent Developments/Updates
- 2.7 Shanghai Sinotec
 - 2.7.1 Shanghai Sinotec Details
 - 2.7.2 Shanghai Sinotec Major Business
 - 2.7.3 Shanghai Sinotec Automotive Pressure and Temperature Sensor Product and Services
 - 2.7.4 Shanghai Sinotec Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 Shanghai Sinotec Recent Developments/Updates
- 2.8 Shanghai Baolong Automotive Technology
 - 2.8.1 Shanghai Baolong Automotive Technology Details
 - 2.8.2 Shanghai Baolong Automotive Technology Major Business
 - 2.8.3 Shanghai Baolong Automotive Technology Automotive Pressure and Temperature Sensor Product and Services
 - 2.8.4 Shanghai Baolong Automotive Technology Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 Shanghai Baolong Automotive Technology Recent Developments/Updates
- 2.9 TEMB Intelligent Technology
 - 2.9.1 TEMB Intelligent Technology Details
 - 2.9.2 TEMB Intelligent Technology Major Business
 - 2.9.3 TEMB Intelligent Technology Automotive Pressure and Temperature Sensor Product and Services
 - 2.9.4 TEMB Intelligent Technology Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 TEMB Intelligent Technology Recent Developments/Updates
- 2.10 BRIDGEPORT
 - 2.10.1 BRIDGEPORT Details
 - 2.10.2 BRIDGEPORT Major Business
 - 2.10.3 BRIDGEPORT Automotive Pressure and Temperature Sensor Product and Services
 - 2.10.4 BRIDGEPORT Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 BRIDGEPORT Recent Developments/Updates

2.11 Schaeffle

2.11.1 Schaeffle Details

2.11.2 Schaeffle Major Business

2.11.3 Schaeffle Automotive Pressure and Temperature Sensor Product and Services

2.11.4 Schaeffle Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Schaeffle Recent Developments/Updates

2.12 TE Connectivity

2.12.1 TE Connectivity Details

2.12.2 TE Connectivity Major Business

2.12.3 TE Connectivity Automotive Pressure and Temperature Sensor Product and Services

2.12.4 TE Connectivity Automotive Pressure and Temperature Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 TE Connectivity Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE PRESSURE AND TEMPERATURE SENSOR BY MANUFACTURER

3.1 Global Automotive Pressure and Temperature Sensor Sales Quantity by Manufacturer (2021-2026)

3.2 Global Automotive Pressure and Temperature Sensor Revenue by Manufacturer (2021-2026)

3.3 Global Automotive Pressure and Temperature Sensor Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Automotive Pressure and Temperature Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Automotive Pressure and Temperature Sensor Manufacturer Market Share in 2025

3.4.3 Top 6 Automotive Pressure and Temperature Sensor Manufacturer Market Share in 2025

3.5 Automotive Pressure and Temperature Sensor Market: Overall Company Footprint Analysis

3.5.1 Automotive Pressure and Temperature Sensor Market: Region Footprint

3.5.2 Automotive Pressure and Temperature Sensor Market: Company Product Type Footprint

3.5.3 Automotive Pressure and Temperature Sensor 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 Automotive Pressure and Temperature Sensor Market Size by Region
 - 4.1.1 Global Automotive Pressure and Temperature Sensor Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Automotive Pressure and Temperature Sensor Consumption Value by Region (2021-2032)
 - 4.1.3 Global Automotive Pressure and Temperature Sensor Average Price by Region (2021-2032)
- 4.2 North America Automotive Pressure and Temperature Sensor Consumption Value (2021-2032)
- 4.3 Europe Automotive Pressure and Temperature Sensor Consumption Value (2021-2032)
- 4.4 Asia-Pacific Automotive Pressure and Temperature Sensor Consumption Value (2021-2032)
- 4.5 South America Automotive Pressure and Temperature Sensor Consumption Value (2021-2032)
- 4.6 Middle East & Africa Automotive Pressure and Temperature Sensor Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2032)
- 5.2 Global Automotive Pressure and Temperature Sensor Consumption Value by Type (2021-2032)
- 5.3 Global Automotive Pressure and Temperature Sensor Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2032)
- 6.2 Global Automotive Pressure and Temperature Sensor Consumption Value by Application (2021-2032)
- 6.3 Global Automotive Pressure and Temperature Sensor Average Price by Application

(2021-2032)

7 NORTH AMERICA

7.1 North America Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2032)

7.2 North America Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2032)

7.3 North America Automotive Pressure and Temperature Sensor Market Size by Country

7.3.1 North America Automotive Pressure and Temperature Sensor Sales Quantity by Country (2021-2032)

7.3.2 North America Automotive Pressure and Temperature Sensor Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2032)

8.2 Europe Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2032)

8.3 Europe Automotive Pressure and Temperature Sensor Market Size by Country

8.3.1 Europe Automotive Pressure and Temperature Sensor Sales Quantity by Country (2021-2032)

8.3.2 Europe Automotive Pressure and Temperature Sensor Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Automotive Pressure and Temperature Sensor Market Size by Region

9.3.1 Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Automotive Pressure and Temperature Sensor Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2032)

10.2 South America Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2032)

10.3 South America Automotive Pressure and Temperature Sensor Market Size by Country

10.3.1 South America Automotive Pressure and Temperature Sensor Sales Quantity by Country (2021-2032)

10.3.2 South America Automotive Pressure and Temperature Sensor Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Automotive Pressure and Temperature Sensor Market Size by Country

11.3.1 Middle East & Africa Automotive Pressure and Temperature Sensor Sales Quantity by Country (2021-2032)

- 11.3.2 Middle East & Africa Automotive Pressure and Temperature Sensor Consumption Value by Country (2021-2032)
- 11.3.3 Turkey Market Size and Forecast (2021-2032)
- 11.3.4 Egypt Market Size and Forecast (2021-2032)
- 11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
- 11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

- 12.1 Automotive Pressure and Temperature Sensor Market Drivers
- 12.2 Automotive Pressure and Temperature Sensor Market Restraints
- 12.3 Automotive Pressure and Temperature Sensor 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 Automotive Pressure and Temperature Sensor and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Automotive Pressure and Temperature Sensor
- 13.3 Automotive Pressure and Temperature Sensor 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 Automotive Pressure and Temperature Sensor Typical Distributors
- 14.3 Automotive Pressure and Temperature Sensor 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 Automotive Pressure and Temperature Sensor Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Automotive Pressure and Temperature Sensor Consumption Value by Output Signal Type, (USD Million), 2021 & 2025 & 2032

Table 3. Global Automotive Pressure and Temperature Sensor Consumption Value by Working Principle, (USD Million), 2021 & 2025 & 2032

Table 4. Global Automotive Pressure and Temperature Sensor Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Valeo Basic Information, Manufacturing Base and Competitors

Table 6. Valeo Major Business

Table 7. Valeo Automotive Pressure and Temperature Sensor Product and Services

Table 8. Valeo Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Valeo Recent Developments/Updates

Table 10. Bosch Basic Information, Manufacturing Base and Competitors

Table 11. Bosch Major Business

Table 12. Bosch Automotive Pressure and Temperature Sensor Product and Services

Table 13. Bosch Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Bosch Recent Developments/Updates

Table 15. Sensata Technologies Basic Information, Manufacturing Base and Competitors

Table 16. Sensata Technologies Major Business

Table 17. Sensata Technologies Automotive Pressure and Temperature Sensor Product and Services

Table 18. Sensata Technologies Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Sensata Technologies Recent Developments/Updates

Table 20. DENSO Basic Information, Manufacturing Base and Competitors

Table 21. DENSO Major Business

Table 22. DENSO Automotive Pressure and Temperature Sensor Product and Services

Table 23. DENSO Automotive Pressure and Temperature Sensor Sales Quantity (M

Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. DENSO Recent Developments/Updates

Table 25. Amphenol Basic Information, Manufacturing Base and Competitors

Table 26. Amphenol Major Business

Table 27. Amphenol Automotive Pressure and Temperature Sensor Product and Services

Table 28. Amphenol Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Amphenol Recent Developments/Updates

Table 30. Shenzhen Ampron Technology Basic Information, Manufacturing Base and Competitors

Table 31. Shenzhen Ampron Technology Major Business

Table 32. Shenzhen Ampron Technology Automotive Pressure and Temperature Sensor Product and Services

Table 33. Shenzhen Ampron Technology Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Shenzhen Ampron Technology Recent Developments/Updates

Table 35. Shanghai Sinotec Basic Information, Manufacturing Base and Competitors

Table 36. Shanghai Sinotec Major Business

Table 37. Shanghai Sinotec Automotive Pressure and Temperature Sensor Product and Services

Table 38. Shanghai Sinotec Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Shanghai Sinotec Recent Developments/Updates

Table 40. Shanghai Baolong Automotive Technology Basic Information, Manufacturing Base and Competitors

Table 41. Shanghai Baolong Automotive Technology Major Business

Table 42. Shanghai Baolong Automotive Technology Automotive Pressure and Temperature Sensor Product and Services

Table 43. Shanghai Baolong Automotive Technology Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Shanghai Baolong Automotive Technology Recent Developments/Updates

Table 45. TEMB Intelligent Technology Basic Information, Manufacturing Base and Competitors

Table 46. TEMB Intelligent Technology Major Business
Table 47. TEMB Intelligent Technology Automotive Pressure and Temperature Sensor Product and Services
Table 48. TEMB Intelligent Technology Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 49. TEMB Intelligent Technology Recent Developments/Updates
Table 50. BRIDGEPORT Basic Information, Manufacturing Base and Competitors
Table 51. BRIDGEPORT Major Business
Table 52. BRIDGEPORT Automotive Pressure and Temperature Sensor Product and Services
Table 53. BRIDGEPORT Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 54. BRIDGEPORT Recent Developments/Updates
Table 55. Schaeffle Basic Information, Manufacturing Base and Competitors
Table 56. Schaeffle Major Business
Table 57. Schaeffle Automotive Pressure and Temperature Sensor Product and Services
Table 58. Schaeffle Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 59. Schaeffle Recent Developments/Updates
Table 60. TE Connectivity Basic Information, Manufacturing Base and Competitors
Table 61. TE Connectivity Major Business
Table 62. TE Connectivity Automotive Pressure and Temperature Sensor Product and Services
Table 63. TE Connectivity Automotive Pressure and Temperature Sensor Sales Quantity (M Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 64. TE Connectivity Recent Developments/Updates
Table 65. Global Automotive Pressure and Temperature Sensor Sales Quantity by Manufacturer (2021-2026) & (M Units)
Table 66. Global Automotive Pressure and Temperature Sensor Revenue by Manufacturer (2021-2026) & (USD Million)
Table 67. Global Automotive Pressure and Temperature Sensor Average Price by Manufacturer (2021-2026) & (US\$/Unit)
Table 68. Market Position of Manufacturers in Automotive Pressure and Temperature Sensor, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 69. Head Office and Automotive Pressure and Temperature Sensor Production Site of Key Manufacturer

Table 70. Automotive Pressure and Temperature Sensor Market: Company Product Type Footprint

Table 71. Automotive Pressure and Temperature Sensor Market: Company Product Application Footprint

Table 72. Automotive Pressure and Temperature Sensor New Market Entrants and Barriers to Market Entry

Table 73. Automotive Pressure and Temperature Sensor Mergers, Acquisition, Agreements, and Collaborations

Table 74. Global Automotive Pressure and Temperature Sensor Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 75. Global Automotive Pressure and Temperature Sensor Sales Quantity by Region (2021-2026) & (M Units)

Table 76. Global Automotive Pressure and Temperature Sensor Sales Quantity by Region (2027-2032) & (M Units)

Table 77. Global Automotive Pressure and Temperature Sensor Consumption Value by Region (2021-2026) & (USD Million)

Table 78. Global Automotive Pressure and Temperature Sensor Consumption Value by Region (2027-2032) & (USD Million)

Table 79. Global Automotive Pressure and Temperature Sensor Average Price by Region (2021-2026) & (US\$/Unit)

Table 80. Global Automotive Pressure and Temperature Sensor Average Price by Region (2027-2032) & (US\$/Unit)

Table 81. Global Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2026) & (M Units)

Table 82. Global Automotive Pressure and Temperature Sensor Sales Quantity by Type (2027-2032) & (M Units)

Table 83. Global Automotive Pressure and Temperature Sensor Consumption Value by Type (2021-2026) & (USD Million)

Table 84. Global Automotive Pressure and Temperature Sensor Consumption Value by Type (2027-2032) & (USD Million)

Table 85. Global Automotive Pressure and Temperature Sensor Average Price by Type (2021-2026) & (US\$/Unit)

Table 86. Global Automotive Pressure and Temperature Sensor Average Price by Type (2027-2032) & (US\$/Unit)

Table 87. Global Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2026) & (M Units)

Table 88. Global Automotive Pressure and Temperature Sensor Sales Quantity by

Application (2027-2032) & (M Units)

Table 89. Global Automotive Pressure and Temperature Sensor Consumption Value by Application (2021-2026) & (USD Million)

Table 90. Global Automotive Pressure and Temperature Sensor Consumption Value by Application (2027-2032) & (USD Million)

Table 91. Global Automotive Pressure and Temperature Sensor Average Price by Application (2021-2026) & (US\$/Unit)

Table 92. Global Automotive Pressure and Temperature Sensor Average Price by Application (2027-2032) & (US\$/Unit)

Table 93. North America Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2026) & (M Units)

Table 94. North America Automotive Pressure and Temperature Sensor Sales Quantity by Type (2027-2032) & (M Units)

Table 95. North America Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2026) & (M Units)

Table 96. North America Automotive Pressure and Temperature Sensor Sales Quantity by Application (2027-2032) & (M Units)

Table 97. North America Automotive Pressure and Temperature Sensor Sales Quantity by Country (2021-2026) & (M Units)

Table 98. North America Automotive Pressure and Temperature Sensor Sales Quantity by Country (2027-2032) & (M Units)

Table 99. North America Automotive Pressure and Temperature Sensor Consumption Value by Country (2021-2026) & (USD Million)

Table 100. North America Automotive Pressure and Temperature Sensor Consumption Value by Country (2027-2032) & (USD Million)

Table 101. Europe Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2026) & (M Units)

Table 102. Europe Automotive Pressure and Temperature Sensor Sales Quantity by Type (2027-2032) & (M Units)

Table 103. Europe Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2026) & (M Units)

Table 104. Europe Automotive Pressure and Temperature Sensor Sales Quantity by Application (2027-2032) & (M Units)

Table 105. Europe Automotive Pressure and Temperature Sensor Sales Quantity by Country (2021-2026) & (M Units)

Table 106. Europe Automotive Pressure and Temperature Sensor Sales Quantity by Country (2027-2032) & (M Units)

Table 107. Europe Automotive Pressure and Temperature Sensor Consumption Value by Country (2021-2026) & (USD Million)

Table 108. Europe Automotive Pressure and Temperature Sensor Consumption Value by Country (2027-2032) & (USD Million)

Table 109. Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2026) & (M Units)

Table 110. Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity by Type (2027-2032) & (M Units)

Table 111. Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2026) & (M Units)

Table 112. Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity by Application (2027-2032) & (M Units)

Table 113. Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity by Region (2021-2026) & (M Units)

Table 114. Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity by Region (2027-2032) & (M Units)

Table 115. Asia-Pacific Automotive Pressure and Temperature Sensor Consumption Value by Region (2021-2026) & (USD Million)

Table 116. Asia-Pacific Automotive Pressure and Temperature Sensor Consumption Value by Region (2027-2032) & (USD Million)

Table 117. South America Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2026) & (M Units)

Table 118. South America Automotive Pressure and Temperature Sensor Sales Quantity by Type (2027-2032) & (M Units)

Table 119. South America Automotive Pressure and Temperature Sensor Sales Quantity by Application (2021-2026) & (M Units)

Table 120. South America Automotive Pressure and Temperature Sensor Sales Quantity by Application (2027-2032) & (M Units)

Table 121. South America Automotive Pressure and Temperature Sensor Sales Quantity by Country (2021-2026) & (M Units)

Table 122. South America Automotive Pressure and Temperature Sensor Sales Quantity by Country (2027-2032) & (M Units)

Table 123. South America Automotive Pressure and Temperature Sensor Consumption Value by Country (2021-2026) & (USD Million)

Table 124. South America Automotive Pressure and Temperature Sensor Consumption Value by Country (2027-2032) & (USD Million)

Table 125. Middle East & Africa Automotive Pressure and Temperature Sensor Sales Quantity by Type (2021-2026) & (M Units)

Table 126. Middle East & Africa Automotive Pressure and Temperature Sensor Sales Quantity by Type (2027-2032) & (M Units)

Table 127. Middle East & Africa Automotive Pressure and Temperature Sensor Sales

Quantity by Application (2021-2026) & (M Units)

Table 128. Middle East & Africa Automotive Pressure and Temperature Sensor Sales

Quantity by Application (2027-2032) & (M Units)

Table 129. Middle East & Africa Automotive Pressure and Temperature Sensor Sales

Quantity by Country (2021-2026) & (M Units)

Table 130. Middle East & Africa Automotive Pressure and Temperature Sensor Sales

Quantity by Country (2027-2032) & (M Units)

Table 131. Middle East & Africa Automotive Pressure and Temperature Sensor

Consumption Value by Country (2021-2026) & (USD Million)

Table 132. Middle East & Africa Automotive Pressure and Temperature Sensor

Consumption Value by Country (2027-2032) & (USD Million)

Table 133. Automotive Pressure and Temperature Sensor Raw Material

Table 134. Key Manufacturers of Automotive Pressure and Temperature Sensor Raw Materials

Table 135. Automotive Pressure and Temperature Sensor Typical Distributors

Table 136. Automotive Pressure and Temperature Sensor Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Automotive Pressure and Temperature Sensor Picture
- Figure 2. Global Automotive Pressure and Temperature Sensor Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Automotive Pressure and Temperature Sensor Revenue Market Share by Type in 2025
- Figure 4. Absolute Pressure Type Examples
- Figure 5. Gauge Pressure Type Examples
- Figure 6. Differential Pressure Type Examples
- Figure 7. Global Automotive Pressure and Temperature Sensor Revenue by Output Signal Type, (USD Million), 2021 & 2025 & 2032
- Figure 8. Global Automotive Pressure and Temperature Sensor Revenue Market Share by Output Signal Type in 2025
- Figure 9. Analog Signal Examples
- Figure 10. Digital Signal Examples
- Figure 11. Global Automotive Pressure and Temperature Sensor Revenue by Working Principle, (USD Million), 2021 & 2025 & 2032
- Figure 12. Global Automotive Pressure and Temperature Sensor Revenue Market Share by Working Principle in 2025
- Figure 13. Piezoresistive Type Examples
- Figure 14. Capacitive Type Examples
- Figure 15. Piezoelectric Type Examples
- Figure 16. Fiber Optic Type Examples
- Figure 17. Others Examples
- Figure 18. Global Automotive Pressure and Temperature Sensor Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 19. Global Automotive Pressure and Temperature Sensor Revenue Market Share by Application in 2025
- Figure 20. Passenger Vehicle Examples
- Figure 21. Commercial Vehicle Examples
- Figure 22. Global Automotive Pressure and Temperature Sensor Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 23. Global Automotive Pressure and Temperature Sensor Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 24. Global Automotive Pressure and Temperature Sensor Sales Quantity (2021-2032) & (M Units)

Figure 25. Global Automotive Pressure and Temperature Sensor Price (2021-2032) & (US\$/Unit)

Figure 26. Global Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Manufacturer in 2025

Figure 27. Global Automotive Pressure and Temperature Sensor Revenue Market Share by Manufacturer in 2025

Figure 28. Producer Shipments of Automotive Pressure and Temperature Sensor by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 29. Top 3 Automotive Pressure and Temperature Sensor Manufacturer (Revenue) Market Share in 2025

Figure 30. Top 6 Automotive Pressure and Temperature Sensor Manufacturer (Revenue) Market Share in 2025

Figure 31. Global Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Region (2021-2032)

Figure 32. Global Automotive Pressure and Temperature Sensor Consumption Value Market Share by Region (2021-2032)

Figure 33. North America Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 34. Europe Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 35. Asia-Pacific Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 36. South America Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 37. Middle East & Africa Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 38. Global Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Type (2021-2032)

Figure 39. Global Automotive Pressure and Temperature Sensor Consumption Value Market Share by Type (2021-2032)

Figure 40. Global Automotive Pressure and Temperature Sensor Average Price by Type (2021-2032) & (US\$/Unit)

Figure 41. Global Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Application (2021-2032)

Figure 42. Global Automotive Pressure and Temperature Sensor Revenue Market Share by Application (2021-2032)

Figure 43. Global Automotive Pressure and Temperature Sensor Average Price by Application (2021-2032) & (US\$/Unit)

Figure 44. North America Automotive Pressure and Temperature Sensor Sales Quantity

Market Share by Type (2021-2032)

Figure 45. North America Automotive Pressure and Temperature Sensor Sales Quantity

Market Share by Application (2021-2032)

Figure 46. North America Automotive Pressure and Temperature Sensor Sales Quantity

Market Share by Country (2021-2032)

Figure 47. North America Automotive Pressure and Temperature Sensor Consumption Value Market Share by Country (2021-2032)

Figure 48. United States Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 49. Canada Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 50. Mexico Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 51. Europe Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Type (2021-2032)

Figure 52. Europe Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Application (2021-2032)

Figure 53. Europe Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Country (2021-2032)

Figure 54. Europe Automotive Pressure and Temperature Sensor Consumption Value Market Share by Country (2021-2032)

Figure 55. Germany Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 56. France Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 57. United Kingdom Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 58. Russia Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 59. Italy Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 60. Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Type (2021-2032)

Figure 61. Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Application (2021-2032)

Figure 62. Asia-Pacific Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Region (2021-2032)

Figure 63. Asia-Pacific Automotive Pressure and Temperature Sensor Consumption Value Market Share by Region (2021-2032)

Figure 64. China Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 65. Japan Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 66. South Korea Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 67. India Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 68. Southeast Asia Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 69. Australia Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 70. South America Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Type (2021-2032)

Figure 71. South America Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Application (2021-2032)

Figure 72. South America Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Country (2021-2032)

Figure 73. South America Automotive Pressure and Temperature Sensor Consumption Value Market Share by Country (2021-2032)

Figure 74. Brazil Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 75. Argentina Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 76. Middle East & Africa Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Type (2021-2032)

Figure 77. Middle East & Africa Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Application (2021-2032)

Figure 78. Middle East & Africa Automotive Pressure and Temperature Sensor Sales Quantity Market Share by Country (2021-2032)

Figure 79. Middle East & Africa Automotive Pressure and Temperature Sensor Consumption Value Market Share by Country (2021-2032)

Figure 80. Turkey Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 81. Egypt Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 82. Saudi Arabia Automotive Pressure and Temperature Sensor Consumption Value (2021-2032) & (USD Million)

Figure 83. South Africa Automotive Pressure and Temperature Sensor Consumption

Value (2021-2032) & (USD Million)

Figure 84. Automotive Pressure and Temperature Sensor Market Drivers

Figure 85. Automotive Pressure and Temperature Sensor Market Restraints

Figure 86. Automotive Pressure and Temperature Sensor Market Trends

Figure 87. Porters Five Forces Analysis

Figure 88. Manufacturing Cost Structure Analysis of Automotive Pressure and Temperature Sensor in 2025

Figure 89. Manufacturing Process Analysis of Automotive Pressure and Temperature Sensor

Figure 90. Automotive Pressure and Temperature Sensor Industrial Chain

Figure 91. Sales Channel: Direct to End-User vs Distributors

Figure 92. Direct Channel Pros & Cons

Figure 93. Indirect Channel Pros & Cons

Figure 94. Methodology

Figure 95. Research Process and Data Source

I would like to order

Product name: Global Automotive Pressure and Temperature Sensor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GD90C144D66EEN.html>

Price: US\$ 3,480.00 (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/GD90C144D66EEN.html>