

# Global Strain Gage Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Strain Gage market size was valued at USD 1294.4 million in 2023 and is forecast to a readjusted size of USD 1497.7 million by 2030 with a CAGR of 2.1% during review period.

Strain Gage Based Sensor measures the strain (displacement) of an object under an applied force. When they are adhesively attached to the object under stress (an applied force), they deform with the object. The magnitude of the applied stress can be inferred from changes in the gauge's electrical resistance due to its deformation.

Global Strain Gage key players include Vishay, HBM, Mettler-Toledo, Flintec, Minebea, etc. China and USA is the largest market, both with a share about 30%, followed by Europe, with a share about 25 percent. In terms of product, Alloy steel sensor is the largest segment, with a share about 50%. And in terms of application, the largest application is Industrial Measurement and Control, followed by Automobile Comprehensive Performance Testing, Commercial Weighing, etc.

The Global Info Research report includes an overview of the development of the Strain Gage industry chain, the market status of Commercial Weighing (Alloy Steel Sensor, Stainless Steel Sensor), Industrial Measurement and Control (Alloy Steel Sensor, Stainless Steel Sensor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Strain Gage.

Regionally, the report analyzes the Strain Gage markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Strain

Gage market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

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

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Alloy Steel Sensor, Stainless Steel Sensor).

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

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

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

The report also involves a more granular approach to Strain Gage:

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

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Strain Gage This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Commercial Weighing,

Industrial Measurement and Control).

**Technology Analysis:** Report covers specific technologies relevant to Strain Gage. It assesses the current state, advancements, and potential future developments in Strain Gage areas.

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

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

## Market Segmentation

Strain Gage market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Alloy Steel Sensor

Stainless Steel Sensor

Aluminum Sensor

### Market segment by Application

Commercial Weighing

Industrial Measurement and Control

Automobile Comprehensive Performance Testing

Other

## Major players covered

Vishay

HBM

Mettler-Toledo

Flintec

Minebea

ZEMIC

KeLi Sensing Technology

Ningbo Boda

Dongguan SouthChinaSea

Guangzhou Electrical Measuring Instruments Factory

## 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 Strain Gage product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Strain Gage breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Strain Gage market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Strain Gage.

Chapter 14 and 15, to describe Strain Gage sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Strain Gage
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Strain Gage Consumption Value by Type: 2019 Versus 2023 Versus 2030
  - 1.3.2 Alloy Steel Sensor
  - 1.3.3 Stainless Steel Sensor
  - 1.3.4 Aluminum Sensor
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Strain Gage Consumption Value by Application: 2019 Versus 2023 Versus 2030
  - 1.4.2 Commercial Weighing
  - 1.4.3 Industrial Measurement and Control
  - 1.4.4 Automobile Comprehensive Performance Testing
  - 1.4.5 Other
- 1.5 Global Strain Gage Market Size & Forecast
  - 1.5.1 Global Strain Gage Consumption Value (2019 & 2023 & 2030)
  - 1.5.2 Global Strain Gage Sales Quantity (2019-2030)
  - 1.5.3 Global Strain Gage Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

- 2.1 Vishay
  - 2.1.1 Vishay Details
  - 2.1.2 Vishay Major Business
  - 2.1.3 Vishay Strain Gage Product and Services
  - 2.1.4 Vishay Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.1.5 Vishay Recent Developments/Updates
- 2.2 HBM
  - 2.2.1 HBM Details
  - 2.2.2 HBM Major Business
  - 2.2.3 HBM Strain Gage Product and Services
  - 2.2.4 HBM Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.2.5 HBM Recent Developments/Updates
- 2.3 Mettler-Toledo
  - 2.3.1 Mettler-Toledo Details
  - 2.3.2 Mettler-Toledo Major Business
  - 2.3.3 Mettler-Toledo Strain Gage Product and Services
  - 2.3.4 Mettler-Toledo Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.3.5 Mettler-Toledo Recent Developments/Updates
- 2.4 Flintec
  - 2.4.1 Flintec Details
  - 2.4.2 Flintec Major Business
  - 2.4.3 Flintec Strain Gage Product and Services
  - 2.4.4 Flintec Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.4.5 Flintec Recent Developments/Updates
- 2.5 Minebea
  - 2.5.1 Minebea Details
  - 2.5.2 Minebea Major Business
  - 2.5.3 Minebea Strain Gage Product and Services
  - 2.5.4 Minebea Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.5.5 Minebea Recent Developments/Updates
- 2.6 ZEMIC
  - 2.6.1 ZEMIC Details
  - 2.6.2 ZEMIC Major Business
  - 2.6.3 ZEMIC Strain Gage Product and Services
  - 2.6.4 ZEMIC Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.6.5 ZEMIC Recent Developments/Updates
- 2.7 KeLi Sensing Technology
  - 2.7.1 KeLi Sensing Technology Details
  - 2.7.2 KeLi Sensing Technology Major Business
  - 2.7.3 KeLi Sensing Technology Strain Gage Product and Services
  - 2.7.4 KeLi Sensing Technology Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.7.5 KeLi Sensing Technology Recent Developments/Updates
- 2.8 Ningbo Boda
  - 2.8.1 Ningbo Boda Details
  - 2.8.2 Ningbo Boda Major Business

- 2.8.3 Ningbo Boda Strain Gage Product and Services
- 2.8.4 Ningbo Boda Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Ningbo Boda Recent Developments/Updates
- 2.9 Dongguan SouthChinaSea
  - 2.9.1 Dongguan SouthChinaSea Details
  - 2.9.2 Dongguan SouthChinaSea Major Business
  - 2.9.3 Dongguan SouthChinaSea Strain Gage Product and Services
  - 2.9.4 Dongguan SouthChinaSea Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.9.5 Dongguan SouthChinaSea Recent Developments/Updates
- 2.10 Guangzhou Electrical Measuring Instruments Factory
  - 2.10.1 Guangzhou Electrical Measuring Instruments Factory Details
  - 2.10.2 Guangzhou Electrical Measuring Instruments Factory Major Business
  - 2.10.3 Guangzhou Electrical Measuring Instruments Factory Strain Gage Product and Services
  - 2.10.4 Guangzhou Electrical Measuring Instruments Factory Strain Gage Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.10.5 Guangzhou Electrical Measuring Instruments Factory Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: STRAIN GAGE BY MANUFACTURER**

- 3.1 Global Strain Gage Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Strain Gage Revenue by Manufacturer (2019-2024)
- 3.3 Global Strain Gage Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
  - 3.4.1 Producer Shipments of Strain Gage by Manufacturer Revenue (\$MM) and Market Share (%): 2023
  - 3.4.2 Top 3 Strain Gage Manufacturer Market Share in 2023
  - 3.4.2 Top 6 Strain Gage Manufacturer Market Share in 2023
- 3.5 Strain Gage Market: Overall Company Footprint Analysis
  - 3.5.1 Strain Gage Market: Region Footprint
  - 3.5.2 Strain Gage Market: Company Product Type Footprint
  - 3.5.3 Strain Gage 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 Strain Gage Market Size by Region

4.1.1 Global Strain Gage Sales Quantity by Region (2019-2030)

4.1.2 Global Strain Gage Consumption Value by Region (2019-2030)

4.1.3 Global Strain Gage Average Price by Region (2019-2030)

#### 4.2 North America Strain Gage Consumption Value (2019-2030)

#### 4.3 Europe Strain Gage Consumption Value (2019-2030)

#### 4.4 Asia-Pacific Strain Gage Consumption Value (2019-2030)

#### 4.5 South America Strain Gage Consumption Value (2019-2030)

#### 4.6 Middle East and Africa Strain Gage Consumption Value (2019-2030)

### 5 MARKET SEGMENT BY TYPE

#### 5.1 Global Strain Gage Sales Quantity by Type (2019-2030)

#### 5.2 Global Strain Gage Consumption Value by Type (2019-2030)

#### 5.3 Global Strain Gage Average Price by Type (2019-2030)

### 6 MARKET SEGMENT BY APPLICATION

#### 6.1 Global Strain Gage Sales Quantity by Application (2019-2030)

#### 6.2 Global Strain Gage Consumption Value by Application (2019-2030)

#### 6.3 Global Strain Gage Average Price by Application (2019-2030)

### 7 NORTH AMERICA

#### 7.1 North America Strain Gage Sales Quantity by Type (2019-2030)

#### 7.2 North America Strain Gage Sales Quantity by Application (2019-2030)

#### 7.3 North America Strain Gage Market Size by Country

7.3.1 North America Strain Gage Sales Quantity by Country (2019-2030)

7.3.2 North America Strain Gage Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

### 8 EUROPE

#### 8.1 Europe Strain Gage Sales Quantity by Type (2019-2030)

#### 8.2 Europe Strain Gage Sales Quantity by Application (2019-2030)

#### 8.3 Europe Strain Gage Market Size by Country

- 8.3.1 Europe Strain Gage Sales Quantity by Country (2019-2030)
- 8.3.2 Europe Strain Gage Consumption Value by Country (2019-2030)
- 8.3.3 Germany Market Size and Forecast (2019-2030)
- 8.3.4 France Market Size and Forecast (2019-2030)
- 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
- 8.3.6 Russia Market Size and Forecast (2019-2030)
- 8.3.7 Italy Market Size and Forecast (2019-2030)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Strain Gage Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Strain Gage Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Strain Gage Market Size by Region
  - 9.3.1 Asia-Pacific Strain Gage Sales Quantity by Region (2019-2030)
  - 9.3.2 Asia-Pacific Strain Gage Consumption Value by Region (2019-2030)
  - 9.3.3 China Market Size and Forecast (2019-2030)
  - 9.3.4 Japan Market Size and Forecast (2019-2030)
  - 9.3.5 Korea Market Size and Forecast (2019-2030)
  - 9.3.6 India Market Size and Forecast (2019-2030)
  - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
  - 9.3.8 Australia Market Size and Forecast (2019-2030)

## **10 SOUTH AMERICA**

- 10.1 South America Strain Gage Sales Quantity by Type (2019-2030)
- 10.2 South America Strain Gage Sales Quantity by Application (2019-2030)
- 10.3 South America Strain Gage Market Size by Country
  - 10.3.1 South America Strain Gage Sales Quantity by Country (2019-2030)
  - 10.3.2 South America Strain Gage Consumption Value by Country (2019-2030)
  - 10.3.3 Brazil Market Size and Forecast (2019-2030)
  - 10.3.4 Argentina Market Size and Forecast (2019-2030)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Strain Gage Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Strain Gage Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Strain Gage Market Size by Country
  - 11.3.1 Middle East & Africa Strain Gage Sales Quantity by Country (2019-2030)
  - 11.3.2 Middle East & Africa Strain Gage Consumption Value by Country (2019-2030)

- 11.3.3 Turkey Market Size and Forecast (2019-2030)
- 11.3.4 Egypt Market Size and Forecast (2019-2030)
- 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
- 11.3.6 South Africa Market Size and Forecast (2019-2030)

## **12 MARKET DYNAMICS**

- 12.1 Strain Gage Market Drivers
- 12.2 Strain Gage Market Restraints
- 12.3 Strain Gage 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 Strain Gage and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Strain Gage
- 13.3 Strain Gage Production Process
- 13.4 Strain Gage Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Strain Gage Typical Distributors
- 14.3 Strain Gage 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 Strain Gage Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Strain Gage Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Vishay Basic Information, Manufacturing Base and Competitors

Table 4. Vishay Major Business

Table 5. Vishay Strain Gage Product and Services

Table 6. Vishay Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Vishay Recent Developments/Updates

Table 8. HBM Basic Information, Manufacturing Base and Competitors

Table 9. HBM Major Business

Table 10. HBM Strain Gage Product and Services

Table 11. HBM Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. HBM Recent Developments/Updates

Table 13. Mettler-Toledo Basic Information, Manufacturing Base and Competitors

Table 14. Mettler-Toledo Major Business

Table 15. Mettler-Toledo Strain Gage Product and Services

Table 16. Mettler-Toledo Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Mettler-Toledo Recent Developments/Updates

Table 18. Flintec Basic Information, Manufacturing Base and Competitors

Table 19. Flintec Major Business

Table 20. Flintec Strain Gage Product and Services

Table 21. Flintec Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Flintec Recent Developments/Updates

Table 23. Minebea Basic Information, Manufacturing Base and Competitors

Table 24. Minebea Major Business

Table 25. Minebea Strain Gage Product and Services

Table 26. Minebea Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Minebea Recent Developments/Updates

Table 28. ZEMIC Basic Information, Manufacturing Base and Competitors

- Table 29. ZEMIC Major Business
- Table 30. ZEMIC Strain Gage Product and Services
- Table 31. ZEMIC Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. ZEMIC Recent Developments/Updates
- Table 33. KeLi Sensing Technology Basic Information, Manufacturing Base and Competitors
- Table 34. KeLi Sensing Technology Major Business
- Table 35. KeLi Sensing Technology Strain Gage Product and Services
- Table 36. KeLi Sensing Technology Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. KeLi Sensing Technology Recent Developments/Updates
- Table 38. Ningbo Boda Basic Information, Manufacturing Base and Competitors
- Table 39. Ningbo Boda Major Business
- Table 40. Ningbo Boda Strain Gage Product and Services
- Table 41. Ningbo Boda Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. Ningbo Boda Recent Developments/Updates
- Table 43. Dongguan SouthChinaSea Basic Information, Manufacturing Base and Competitors
- Table 44. Dongguan SouthChinaSea Major Business
- Table 45. Dongguan SouthChinaSea Strain Gage Product and Services
- Table 46. Dongguan SouthChinaSea Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. Dongguan SouthChinaSea Recent Developments/Updates
- Table 48. Guangzhou Electrical Measuring Instruments Factory Basic Information, Manufacturing Base and Competitors
- Table 49. Guangzhou Electrical Measuring Instruments Factory Major Business
- Table 50. Guangzhou Electrical Measuring Instruments Factory Strain Gage Product and Services
- Table 51. Guangzhou Electrical Measuring Instruments Factory Strain Gage Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 52. Guangzhou Electrical Measuring Instruments Factory Recent Developments/Updates
- Table 53. Global Strain Gage Sales Quantity by Manufacturer (2019-2024) & (K Units)
- Table 54. Global Strain Gage Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 55. Global Strain Gage Average Price by Manufacturer (2019-2024) & (USD/Unit)
- Table 56. Market Position of Manufacturers in Strain Gage, (Tier 1, Tier 2, and Tier 3),

Based on Consumption Value in 2023

Table 57. Head Office and Strain Gage Production Site of Key Manufacturer

Table 58. Strain Gage Market: Company Product Type Footprint

Table 59. Strain Gage Market: Company Product Application Footprint

Table 60. Strain Gage New Market Entrants and Barriers to Market Entry

Table 61. Strain Gage Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global Strain Gage Sales Quantity by Region (2019-2024) & (K Units)

Table 63. Global Strain Gage Sales Quantity by Region (2025-2030) & (K Units)

Table 64. Global Strain Gage Consumption Value by Region (2019-2024) & (USD Million)

Table 65. Global Strain Gage Consumption Value by Region (2025-2030) & (USD Million)

Table 66. Global Strain Gage Average Price by Region (2019-2024) & (USD/Unit)

Table 67. Global Strain Gage Average Price by Region (2025-2030) & (USD/Unit)

Table 68. Global Strain Gage Sales Quantity by Type (2019-2024) & (K Units)

Table 69. Global Strain Gage Sales Quantity by Type (2025-2030) & (K Units)

Table 70. Global Strain Gage Consumption Value by Type (2019-2024) & (USD Million)

Table 71. Global Strain Gage Consumption Value by Type (2025-2030) & (USD Million)

Table 72. Global Strain Gage Average Price by Type (2019-2024) & (USD/Unit)

Table 73. Global Strain Gage Average Price by Type (2025-2030) & (USD/Unit)

Table 74. Global Strain Gage Sales Quantity by Application (2019-2024) & (K Units)

Table 75. Global Strain Gage Sales Quantity by Application (2025-2030) & (K Units)

Table 76. Global Strain Gage Consumption Value by Application (2019-2024) & (USD Million)

Table 77. Global Strain Gage Consumption Value by Application (2025-2030) & (USD Million)

Table 78. Global Strain Gage Average Price by Application (2019-2024) & (USD/Unit)

Table 79. Global Strain Gage Average Price by Application (2025-2030) & (USD/Unit)

Table 80. North America Strain Gage Sales Quantity by Type (2019-2024) & (K Units)

Table 81. North America Strain Gage Sales Quantity by Type (2025-2030) & (K Units)

Table 82. North America Strain Gage Sales Quantity by Application (2019-2024) & (K Units)

Table 83. North America Strain Gage Sales Quantity by Application (2025-2030) & (K Units)

Table 84. North America Strain Gage Sales Quantity by Country (2019-2024) & (K Units)

Table 85. North America Strain Gage Sales Quantity by Country (2025-2030) & (K Units)

Table 86. North America Strain Gage Consumption Value by Country (2019-2024) &

(USD Million)

Table 87. North America Strain Gage Consumption Value by Country (2025-2030) & (USD Million)

Table 88. Europe Strain Gage Sales Quantity by Type (2019-2024) & (K Units)

Table 89. Europe Strain Gage Sales Quantity by Type (2025-2030) & (K Units)

Table 90. Europe Strain Gage Sales Quantity by Application (2019-2024) & (K Units)

Table 91. Europe Strain Gage Sales Quantity by Application (2025-2030) & (K Units)

Table 92. Europe Strain Gage Sales Quantity by Country (2019-2024) & (K Units)

Table 93. Europe Strain Gage Sales Quantity by Country (2025-2030) & (K Units)

Table 94. Europe Strain Gage Consumption Value by Country (2019-2024) & (USD Million)

Table 95. Europe Strain Gage Consumption Value by Country (2025-2030) & (USD Million)

Table 96. Asia-Pacific Strain Gage Sales Quantity by Type (2019-2024) & (K Units)

Table 97. Asia-Pacific Strain Gage Sales Quantity by Type (2025-2030) & (K Units)

Table 98. Asia-Pacific Strain Gage Sales Quantity by Application (2019-2024) & (K Units)

Table 99. Asia-Pacific Strain Gage Sales Quantity by Application (2025-2030) & (K Units)

Table 100. Asia-Pacific Strain Gage Sales Quantity by Region (2019-2024) & (K Units)

Table 101. Asia-Pacific Strain Gage Sales Quantity by Region (2025-2030) & (K Units)

Table 102. Asia-Pacific Strain Gage Consumption Value by Region (2019-2024) & (USD Million)

Table 103. Asia-Pacific Strain Gage Consumption Value by Region (2025-2030) & (USD Million)

Table 104. South America Strain Gage Sales Quantity by Type (2019-2024) & (K Units)

Table 105. South America Strain Gage Sales Quantity by Type (2025-2030) & (K Units)

Table 106. South America Strain Gage Sales Quantity by Application (2019-2024) & (K Units)

Table 107. South America Strain Gage Sales Quantity by Application (2025-2030) & (K Units)

Table 108. South America Strain Gage Sales Quantity by Country (2019-2024) & (K Units)

Table 109. South America Strain Gage Sales Quantity by Country (2025-2030) & (K Units)

Table 110. South America Strain Gage Consumption Value by Country (2019-2024) & (USD Million)

Table 111. South America Strain Gage Consumption Value by Country (2025-2030) & (USD Million)



Table 112. Middle East & Africa Strain Gage Sales Quantity by Type (2019-2024) & (K Units)

Table 113. Middle East & Africa Strain Gage Sales Quantity by Type (2025-2030) & (K Units)

Table 114. Middle East & Africa Strain Gage Sales Quantity by Application (2019-2024) & (K Units)

Table 115. Middle East & Africa Strain Gage Sales Quantity by Application (2025-2030) & (K Units)

Table 116. Middle East & Africa Strain Gage Sales Quantity by Region (2019-2024) & (K Units)

Table 117. Middle East & Africa Strain Gage Sales Quantity by Region (2025-2030) & (K Units)

Table 118. Middle East & Africa Strain Gage Consumption Value by Region (2019-2024) & (USD Million)

Table 119. Middle East & Africa Strain Gage Consumption Value by Region (2025-2030) & (USD Million)

Table 120. Strain Gage Raw Material

Table 121. Key Manufacturers of Strain Gage Raw Materials

Table 122. Strain Gage Typical Distributors

Table 123. Strain Gage Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Strain Gage Picture

Figure 2. Global Strain Gage Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Strain Gage Consumption Value Market Share by Type in 2023

Figure 4. Alloy Steel Sensor Examples

Figure 5. Stainless Steel Sensor Examples

Figure 6. Aluminum Sensor Examples

Figure 7. Global Strain Gage Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 8. Global Strain Gage Consumption Value Market Share by Application in 2023

Figure 9. Commercial Weighing Examples

Figure 10. Industrial Measurement and Control Examples

Figure 11. Automobile Comprehensive Performance Testing Examples

Figure 12. Other Examples

Figure 13. Global Strain Gage Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 14. Global Strain Gage Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 15. Global Strain Gage Sales Quantity (2019-2030) & (K Units)

Figure 16. Global Strain Gage Average Price (2019-2030) & (USD/Unit)

Figure 17. Global Strain Gage Sales Quantity Market Share by Manufacturer in 2023

Figure 18. Global Strain Gage Consumption Value Market Share by Manufacturer in 2023

Figure 19. Producer Shipments of Strain Gage by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 20. Top 3 Strain Gage Manufacturer (Consumption Value) Market Share in 2023

Figure 21. Top 6 Strain Gage Manufacturer (Consumption Value) Market Share in 2023

Figure 22. Global Strain Gage Sales Quantity Market Share by Region (2019-2030)

Figure 23. Global Strain Gage Consumption Value Market Share by Region (2019-2030)

Figure 24. North America Strain Gage Consumption Value (2019-2030) & (USD Million)

Figure 25. Europe Strain Gage Consumption Value (2019-2030) & (USD Million)

Figure 26. Asia-Pacific Strain Gage Consumption Value (2019-2030) & (USD Million)

Figure 27. South America Strain Gage Consumption Value (2019-2030) & (USD Million)

Figure 28. Middle East & Africa Strain Gage Consumption Value (2019-2030) & (USD Million)

- Figure 29. Global Strain Gage Sales Quantity Market Share by Type (2019-2030)
- Figure 30. Global Strain Gage Consumption Value Market Share by Type (2019-2030)
- Figure 31. Global Strain Gage Average Price by Type (2019-2030) & (USD/Unit)
- Figure 32. Global Strain Gage Sales Quantity Market Share by Application (2019-2030)
- Figure 33. Global Strain Gage Consumption Value Market Share by Application (2019-2030)
- Figure 34. Global Strain Gage Average Price by Application (2019-2030) & (USD/Unit)
- Figure 35. North America Strain Gage Sales Quantity Market Share by Type (2019-2030)
- Figure 36. North America Strain Gage Sales Quantity Market Share by Application (2019-2030)
- Figure 37. North America Strain Gage Sales Quantity Market Share by Country (2019-2030)
- Figure 38. North America Strain Gage Consumption Value Market Share by Country (2019-2030)
- Figure 39. United States Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 40. Canada Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 41. Mexico Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 42. Europe Strain Gage Sales Quantity Market Share by Type (2019-2030)
- Figure 43. Europe Strain Gage Sales Quantity Market Share by Application (2019-2030)
- Figure 44. Europe Strain Gage Sales Quantity Market Share by Country (2019-2030)
- Figure 45. Europe Strain Gage Consumption Value Market Share by Country (2019-2030)
- Figure 46. Germany Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 47. France Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 48. United Kingdom Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 49. Russia Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 50. Italy Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 51. Asia-Pacific Strain Gage Sales Quantity Market Share by Type (2019-2030)
- Figure 52. Asia-Pacific Strain Gage Sales Quantity Market Share by Application (2019-2030)

Figure 53. Asia-Pacific Strain Gage Sales Quantity Market Share by Region (2019-2030)

Figure 54. Asia-Pacific Strain Gage Consumption Value Market Share by Region (2019-2030)

Figure 55. China Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Japan Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Korea Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. India Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Southeast Asia Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Australia Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. South America Strain Gage Sales Quantity Market Share by Type (2019-2030)

Figure 62. South America Strain Gage Sales Quantity Market Share by Application (2019-2030)

Figure 63. South America Strain Gage Sales Quantity Market Share by Country (2019-2030)

Figure 64. South America Strain Gage Consumption Value Market Share by Country (2019-2030)

Figure 65. Brazil Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 66. Argentina Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 67. Middle East & Africa Strain Gage Sales Quantity Market Share by Type (2019-2030)

Figure 68. Middle East & Africa Strain Gage Sales Quantity Market Share by Application (2019-2030)

Figure 69. Middle East & Africa Strain Gage Sales Quantity Market Share by Region (2019-2030)

Figure 70. Middle East & Africa Strain Gage Consumption Value Market Share by Region (2019-2030)

Figure 71. Turkey Strain Gage Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Egypt Strain Gage Consumption Value and Growth Rate (2019-2030) &

(USD Million)

Figure 73. Saudi Arabia Strain Gage Consumption Value and Growth Rate (2019-2030)  
& (USD Million)

Figure 74. South Africa Strain Gage Consumption Value and Growth Rate (2019-2030)  
& (USD Million)

Figure 75. Strain Gage Market Drivers

Figure 76. Strain Gage Market Restraints

Figure 77. Strain Gage Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Strain Gage in 2023

Figure 80. Manufacturing Process Analysis of Strain Gage

Figure 81. Strain Gage Industrial Chain

Figure 82. Sales Quantity 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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