

# Global Resistance Strain Gauge 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 Resistance Strain Gauge market size was valued at USD 133.8 million in 2023 and is forecast to a readjusted size of USD 150.8 million by 2030 with a CAGR of 1.7% during review period.

Resistance Strain Gauges are sensing devices used in a variety of physical test and measurement applications. They change resistance at their output terminals when stretched or compressed. Because of this characteristic, the gages typically are bonded to the surface of a solid material and are used to measure its minute dimensional changes when put in compression or tension.

The major players in global Resistance Strain Gauge market include Vishay, HBM, NMB, etc. The top 3 players occupy about 15% shares of the global market. Europe and North America are main markets, they occupy about 50% of the global market. Foil Strain Gauge is the main type, with a share about 60%. Pressure Transducer and Load Cells are main applications, which hold a share about 75%.

The Global Info Research report includes an overview of the development of the Resistance Strain Gauge industry chain, the market status of Load Cells (Foil Strain Gauge, Wire Strain Gauge), Pressure Transducer (Foil Strain Gauge, Wire Strain Gauge), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Resistance Strain Gauge.

Regionally, the report analyzes the Resistance Strain Gauge 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 Resistance Strain Gauge market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Resistance Strain Gauge 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 Resistance Strain Gauge 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., Foil Strain Gauge, Wire Strain Gauge).

**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 Resistance Strain Gauge market.

**Regional Analysis:** The report involves examining the Resistance Strain Gauge 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 Resistance Strain Gauge market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Resistance Strain Gauge:

**Company Analysis:** Report covers individual Resistance Strain Gauge 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 Resistance Strain Gauge. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Load Cells, Pressure Transducer).

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

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Resistance Strain Gauge 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

Resistance Strain Gauge 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

Foil Strain Gauge

Wire Strain Gauge

Semiconductor Strain Gauge

### Market segment by Application

Load Cells

Pressure Transducer

Torque Transducer

Others

#### Major players covered

Vishay

HBM

NMB

KYOWA

TML

HPI

Zemic

Yiling

HYCSYQ

Piezo-Metrics, Inc

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

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

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

Chapter 4, the Resistance Strain Gauge 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 Resistance Strain Gauge 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 Resistance Strain Gauge.

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

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