

Global Strain Gauge Sensors 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 Gauge Sensors market size was valued at USD 194.8 million in 2023 and is forecast to a readjusted size of USD 235.9 million by 2030 with a CAGR of 2.8% during review period.

A strain gauge (or strain gage) is a sensor whose resistance varies with applied force; it converts force, pressure, tension, weight, etc., into a change in electrical resistance which can then be measured. When external forces are applied to a stationary object, stress and strain are the result. Stress is defined as the object's internal Strain Gauge forces, and strain is defined as the displacement and deformation that occur.

At present, the world's large brands are mainly concentrated in USA, Japan and Europe. The top three manufacturers are Vishay, HBM, Zemic, respectively with global production market share as 8%, 7% and 5%. The global largest market is in China and the consumption value share is 32%, and the secondary market is USA, and the consumption volume share is 23%.

The Global Info Research report includes an overview of the development of the Strain Gauge Sensors industry chain, the market status of Weighing Equipment (Metal Strain Gauge Sensors, Semiconductor Strain Gauge Sensors), Aerospace (Metal Strain Gauge Sensors, Semiconductor Strain Gauge Sensors), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Strain Gauge Sensors.

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

Key Features:

The report presents comprehensive understanding of the Strain Gauge Sensors 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 Gauge Sensors 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., Metal Strain Gauge Sensors, Semiconductor Strain Gauge Sensors).

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 Gauge Sensors market.

Regional Analysis: The report involves examining the Strain Gauge Sensors 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 Gauge Sensors 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 Gauge Sensors:

Company Analysis: Report covers individual Strain Gauge Sensors 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 Gauge Sensors. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Weighing Equipment, Aerospace).

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

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

Metal Strain Gauge Sensors

Semiconductor Strain Gauge Sensors

Market segment by Application

Weighing Equipment

Aerospace

Cranes

Others

Major players covered

Vishay

HBM

NMB

KYOWA

Zemic

Yiling

HYCSYQ

LCT

Hualanhai

Omega

TML

BCM

Piezo-Metrics

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

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

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

Chapter 4, the Strain Gauge Sensors 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 Gauge Sensors 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 Gauge Sensors.

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

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