

Global Strain Gauge Sensors Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Strain Gauge Sensors market size was valued at US\$ 206 million in 2024 and is forecast to a readjusted size of USD 250 million by 2031 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%.

This report is a detailed and comprehensive analysis for global Strain Gauge Sensors market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

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

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

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

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

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Strain Gauge Sensors

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Strain Gauge Sensors market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Vishay, HBM, NMB, KYOWA, Zemic, Yiling, HYCSYQ, LCT, Hualanhai, Omega, etc.

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

Market Segmentation

Strain Gauge Sensors market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This

analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

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 quantity, revenue, and global market share of Strain Gauge Sensors from 2020 to 2025.

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 2020 to 2031.

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

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Strain Gauge Sensors market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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

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

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

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