

# Global Resistance Strain Gauge Sensor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/GCF2447A3361EN.html>

Date: August 2024

Pages: 121

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

ID: GCF2447A3361EN

## Abstracts

According to our (Global Info Research) latest study, the global Resistance Strain Gauge Sensor market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

The resistance strain sensor is a resistance sensor with a resistance strain gauge as the conversion element. The resistance strain sensor is composed of an elastic sensitive element, a resistance strain gauge, a compensation resistor and a casing, and can be designed into various structural forms according to specific measurement requirements. The elastic sensitive element is deformed by the measured force, and deforms the resistance strain gauge attached to it together. The resistance strain gauge then converts the deformation into a change in resistance value, so that various physical quantities such as force, pressure, torque, displacement, acceleration and temperature can be measured. Commonly used resistance strain sensors include strain gauge load cells, strain gauge pressure sensors, strain gauge torque sensors, strain gauge displacement sensors, strain gauge acceleration sensors, and temperature measuring strain gauges. The advantages of resistance strain sensors are high precision, wide measurement range, long life, simple structure, good frequency response characteristics, can work under harsh conditions, and are easy to realize miniaturization, integration and variety diversification.

This report is a detailed and comprehensive analysis for global Resistance Strain Gauge 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 2023, are provided.

#### Key Features:

Global Resistance Strain Gauge Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Resistance Strain Gauge Sensor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Resistance Strain Gauge Sensor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Resistance Strain Gauge Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

#### 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 Resistance Strain Gauge 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 Resistance Strain Gauge Sensor market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include OMEGA Engineering, Indutrade, Futek Advanced Sensor Technologies, Kistler and Anyload Weigh & Measure, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Resistance Strain Gauge Sensor market is split by Type and by Application. For the period 2018-2029, 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

Strain Gauge Load Cell

Strain Gauge Pressure Sensor

Strain Gauge Torque Sensor

Strain Gauge Displacement Sensor

Strain Gauge Accelerometer

Others

### Market segment by Application

Automobile

Aerospace

Medical

Others

### Major players covered

OMEGA Engineering

Indutrade

Futek Advanced Sensor Technologies

Kistler

Anyload Weigh & Measure

Vishay Precision

Thames Side Sensors

Siemens

MinebeaMitsumi

AEP transducers

Sensata Technologies

Matsushita Electric Works

HBM Germany

ABB

ATI Industrial Automation

Crane Electronics

Honeywell

Sensor Technology

Mettler-Toledo

Flintec

ZEMIC

KeLi Sensing Technology

Dongguan South China Sea Electronic

Guangzhou Electrical Measuring Instruments Factory

Hunan Firstrate Sensor

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

Chapter 2, to profile the top manufacturers of Resistance Strain Gauge Sensor, with price, sales, revenue and global market share of Resistance Strain Gauge Sensor from 2018 to 2023.

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

Chapter 4, the Resistance Strain Gauge Sensor breakdown data are shown at the

regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022. and Resistance Strain Gauge Sensor market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

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

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

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