

Global Force Sensing Resistor 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 Force Sensing Resistor market size was valued at US\$ 37 million in 2024 and is forecast to a readjusted size of USD 88.7 million by 2031 with a CAGR of 13.2% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Force Sensing Resistor (FSR) is a type of variable resistor whose resistance changes in response to applied force or pressure. Typically composed of a conductive polymer layer and patterned electrodes, an FSR decreases in resistance as the applied pressure increases, producing an electrical signal proportional to the force. Known for its simple structure, fast response, low power consumption, low cost, and flexible, thin form factor, the FSR is widely used in consumer electronics, medical devices, robotic tactile sensing, smart seating systems, sports monitoring, and gaming controllers.

This report is a detailed and comprehensive analysis for global Force Sensing Resistor 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 Force Sensing Resistor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Force Sensing Resistor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Force Sensing Resistor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Force Sensing Resistor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/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 Force Sensing Resistor
- 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 Force Sensing Resistor 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 Tekscan, Sensata Technologies, Interlink Electronics, Nissha Co., Ltd., Citizen Electronics Co., Ltd., FSRTEK, Memtronik Innovations Inc., Hanwei Electronics, TAYAO Technology, Fosense, etc. This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Force Sensing Resistor 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

Resistive Type

Capacitive Type

??Others?

Market segment by Application

Smart Wearables

Medical

Robot

Others

Major players covered

Tekscan

Sensata Technologies

Interlink Electronics

Nissha Co., Ltd.

Citizen Electronics Co., Ltd.

FSRTEK

Memtronik Innovations Inc.

Hanwei Electronics

TAYAO Technology

Fosense

HBM

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 Force Sensing Resistor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Force Sensing Resistor, with price, sales quantity, revenue, and global market share of Force Sensing Resistor from 2020 to 2025.

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

Chapter 4, the Force Sensing Resistor 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 Force Sensing Resistor 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 Force Sensing Resistor.

Chapter 14 and 15, to describe Force Sensing Resistor sales channel, distributors, customers, research findings and conclusion.

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