

## **Pressure Sensor Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028**

Market Report | 2023-11-02 | 139 pages | IMARC Group

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### **Report description:**

The global pressure sensor market size reached US\$ 14.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 25.8 Billion by 2028, exhibiting a growth rate (CAGR) of 9.7% during 2022-2028.

A pressure sensor is an instrument used to sense the pressure applied on gases or liquids and convert it into a small electrical output signal. The sensor relies on different technologies to provide accurate results, including integrated strain gauges to detect strain, and pressure-sensitive elements, cavities, and diaphragms for producing a variable capacitor. It finds extensive applications in steam systems that are employed in manufacturing facilities worldwide. It is also utilized as a level sensor in many industrial processes. Moreover, as it can be integrated with consumer electronics like alarm systems, water level appliances, and coffee machines, its demand is escalating around the world.

The rising cases of coronavirus disease (COVID-19) globally represent one of the largest factors bolstering the need for pressure sensors in medical breathing apparatus to monitor oxygen levels. Apart from this, the emerging automation trend in manufacturing processes is influencing the adoption of pressure sensors in robotics and industrial hydraulics. Moreover, inflating disposable incomes and rapid urbanization are catalyzing the demand for household electronics, such as refrigeration systems, washing machines, and televisions, which employ these sensors. This, along with the growing shift towards home automation, is contributing to the market growth. As these sensors can be utilized in electric vehicles (EVs) for monitoring the pressure of gearboxes and oils, the increasing sales of EVs worldwide are also driving the market. Furthermore, the leading players are developing next-generation products, which are anticipated to expand the usage of pressure sensors for off-road construction, the Internet of Things (IoT) systems, and agricultural applications.

### **Key Market Segmentation:**

IMARC Group provides an analysis of the key trends in each sub-segment of the global pressure sensor market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, type,

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technology and application.

Breakup by Product:

Absolute Pressure Sensors  
Differential Pressure Sensors  
Gauge Pressure Sensors

Breakup by Type:

Wired  
Wireless

Breakup by Technology:

Piezoresistive  
Electromagnetic  
Capacitive  
Resonant Solid-State  
Optical  
Others

Breakup by Application:

Automotive  
Oil and Gas  
Electronics  
Medical  
Industrial  
Others

Breakup by Region:

North America  
United States  
Canada  
Asia-Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France

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United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd, All Sensors Corporation (Amphenol), Bosch Sensortec GmbH (Robert Bosch GmbH), Endress+Hauser Group Services AG, Honeywell International Inc., Infineon Technologies AG, Kistler Group (Kistler Holding AG), NXP Semiconductors N.V, Rockwell Automation Inc., Sensata Technologies Inc., Siemens AG and Texas Instruments Incorporated.

#### Key Questions Answered in This Report:

How has the global pressure sensor market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global pressure sensor market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the type?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global pressure sensor market and who are the key players?

What is the degree of competition in the industry?

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