

# **Pressure Sensors Market Size, Trends, Analysis, and Outlook By Function (Pressure Sensing, Altitude Sensing, Flow Sensing, Depth Sensing, Temperature Sensing), By Type (Wired Sensors, Wireless Sensors), By Technology (Piezoresistive, Capacitive, Resonant Solid-state, Electromagnetic, Optical, Others), By Product (Absolute Pressure Sensors, Gauge Pressure Sensors, Differential Pressure Sensors, Sealed Pressure Sensors, Vacuum Pressure Sensors s), By End-User (Automotive On-vehicle, Medical Devices, HVAC Systems, Process Control Solutions, Testing & Measurement Equipment, Others), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Pressure Sensors market size is poised to register 9.26% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Pressure Sensors market By Function (Pressure Sensing, Altitude Sensing, Flow Sensing, Depth Sensing, Temperature Sensing), By Type (Wired Sensors, Wireless Sensors), By Technology (Piezoresistive, Capacitive, Resonant Solid-state, Electromagnetic, Optical, Others), By Product (Absolute Pressure Sensors, Gauge Pressure Sensors, Differential Pressure Sensors, Sealed Pressure Sensors, Vacuum Pressure Sensors s), By End-User (Automotive On-vehicle, Medical Devices, HVAC Systems, Process Control Solutions, Testing & Measurement Equipment, Others).

The future of pressure sensors is characterized by advancements in sensor design, materials science, and signal processing techniques aimed at enhancing sensitivity, reliability, and versatility in diverse applications. Key trends include the development of MEMS (Micro-Electro-Mechanical Systems) sensors, piezoresistive/transductive/transmissive technologies, and optical/fiber-optic sensors for measuring pressure gradients, fluid dynamics, and biomechanical forces in industrial, automotive, aerospace, healthcare, and consumer electronics sectors. Additionally, there is growing demand for smart sensors, IoT (Internet of Things) connectivity, and edge computing capabilities to enable real-time monitoring, predictive maintenance, and autonomous control in smart cities, smart homes, and Industry 4.0 environments. Moreover, there is increasing focus on environmental sustainability, energy efficiency, and cost-effectiveness in sensor manufacturing, packaging, and disposal practices, driving innovation and market growth in the field of pressure sensors..

### Pressure Sensors Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Pressure Sensors market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Pressure Sensors survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Pressure Sensors industry.

### Key market trends defining the global Pressure Sensors demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Pressure Sensors Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Pressure Sensors industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from

expansion into these niche segments. The report presents the market size outlook across segments to support Pressure Sensors companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Pressure Sensors industry

Leading Pressure Sensors companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Pressure Sensors companies.

Pressure Sensors Market Study- Strategic Analysis Review

The Pressure Sensors market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Pressure Sensors Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Pressure Sensors industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

## Pressure Sensors Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

### North America Pressure Sensors Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Pressure Sensors market segments. Similarly, Strong end-user demand is encouraging Canadian Pressure Sensors companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Pressure Sensors market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

### Europe Pressure Sensors Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Pressure Sensors industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Pressure Sensors market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

### Asia Pacific Pressure Sensors Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Pressure Sensors in Asia

Pacific. In particular, China, India, and South East Asian Pressure Sensors markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

**Latin America Pressure Sensors Market Size Outlook- Continued urbanization and rising income levels**

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

**Middle East and Africa Pressure Sensors Market Size Outlook- continues its upward trajectory across segments**

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Pressure Sensors market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Pressure Sensors.

**Pressure Sensors Market Company Profiles**

The global Pressure Sensors market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are ABB Ltd, AlphaSense, City Technology Ltd, Dynament Ltd, Figaro Engineering Inc, GfG Europe Ltd, Membrapor, Nemoto Kyorindo co. Ltd, Robert Bosch GmbH, Siemens AG.

**Recent Pressure Sensors Market Developments**

The global Pressure Sensors market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions,

product approvals, and other updates in the industry.

Pressure Sensors Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Type

Stationary 3D and 4D Ultrasound Devices

Portable 3D and 4D Ultrasound Devices

By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

Others

By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

ABB Ltd

AlphaSense

City Technology Ltd

Dynament Ltd

Figaro Engineering Inc

GfG Europe Ltd

Membrapor

Nemoto Kyorindo co. Ltd

Robert Bosch GmbH

Siemens AG



Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1 Pressure Sensors Market Overview and Key Findings, 2024
- 1.2 Pressure Sensors Market Size and Growth Outlook, 2021- 2030
- 1.3 Pressure Sensors Market Growth Opportunities to 2030
- 1.4 Key Pressure Sensors Market Trends and Challenges
  - 1.4.1 Pressure Sensors Market Drivers and Trends
  - 1.4.2 Pressure Sensors Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Pressure Sensors Companies

### 2. PRESSURE SENSORS MARKET SIZE OUTLOOK TO 2030

- 2.1 Pressure Sensors Market Size Outlook, USD Million, 2021- 2030
- 2.2 Pressure Sensors Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

### 3. PRESSURE SENSORS MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

### 4. PRESSURE SENSORS MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
  - By Type
    - Stationary 3D and 4D Ultrasound Devices
    - Portable 3D and 4D Ultrasound Devices
  - By Display

Color Ultrasound  
B/W Ultrasound  
By Portability  
Trolley or Cart-Based Ultrasound Systems  
Compact/Handheld Ultrasound Systems  
Point-of-Pare (PoC) Ultrasound Systems  
By Application  
Radiology or General Imaging  
Obstetrics or Gynecology  
Cardiology  
Urology  
Vascular  
Orthopedic and Musculoskeletal  
Pain Management  
Others  
By End-User  
Hospitals  
Surgical Centers and Diagnostic Centers  
Maternity Centers  
Ambulatory Care Centers  
Research and Academia  
Others  
4.3 Growth Prospects and Niche Opportunities, 2023- 2030  
4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific Pressure Sensors Market, 2025  
5.2 Asia Pacific Pressure Sensors Market Size Outlook by Type, 2021- 2030  
5.3 Asia Pacific Pressure Sensors Market Size Outlook by Application, 2021- 2030  
5.4 Key Findings for Europe Pressure Sensors Market, 2025  
5.5 Europe Pressure Sensors Market Size Outlook by Type, 2021- 2030  
5.6 Europe Pressure Sensors Market Size Outlook by Application, 2021- 2030  
5.7 Key Findings for North America Pressure Sensors Market, 2025  
5.8 North America Pressure Sensors Market Size Outlook by Type, 2021- 2030  
5.9 North America Pressure Sensors Market Size Outlook by Application, 2021- 2030  
5.10 Key Findings for South America Pressure Sensors Market, 2025  
5.11 South America Pacific Pressure Sensors Market Size Outlook by Type, 2021- 2030  
5.12 South America Pressure Sensors Market Size Outlook by Application, 2021- 2030

- 5.13 Key Findings for Middle East and Africa Pressure Sensors Market, 2025
- 5.14 Middle East Africa Pressure Sensors Market Size Outlook by Type, 2021- 2030
- 5.15 Middle East Africa Pressure Sensors Market Size Outlook by Application, 2021-2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**

- 6.1 US Pressure Sensors Market Size Outlook and Revenue Growth Forecasts
- 6.2 US Pressure Sensors Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada Pressure Sensors Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Pressure Sensors Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Pressure Sensors Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Pressure Sensors Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Pressure Sensors Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Pressure Sensors Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Pressure Sensors Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Pressure Sensors Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Pressure Sensors Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Pressure Sensors Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Pressure Sensors Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Pressure Sensors Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Pressure Sensors Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Pressure Sensors Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Pressure Sensors Industry Drivers and Opportunities

- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Pressure Sensors Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Pressure Sensors Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Pressure Sensors Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Pressure Sensors Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Pressure Sensors Industry Drivers and Opportunities

## **7. PRESSURE SENSORS MARKET OUTLOOK ACROSS SCENARIOS**

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

## **8. PRESSURE SENSORS COMPANY PROFILES**

- 8.1 Profiles of Leading Pressure Sensors Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

ABB Ltd

AlphaSense

City Technology Ltd

Dynament Ltd

Figaro Engineering Inc

GfG Europe Ltd

Membrapor

Nemoto Kyorindo co. Ltd

Robert Bosch GmbH

Siemens AG

## **9. APPENDIX**

- 9.1 Scope of the Report
- 9.2 Research Methodology and Data Sources
- 9.3 Glossary of Terms
- 9.4 Market Definitions

## 9.5 Contact Information

## I would like to order

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