



Differential Pressure Sensors Industry Research Report 2026

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Description

Differential Pressure Sensors measure the difference between two pressures, one connected to each side of the sensor. Differential pressure sensors are used to measure many properties, such as pressure drops across oil filters or air filters, fluid levels (by comparing the pressure above and below the liquid) or flow rates (by measuring the change in pressure across a restriction). Technically speaking, most pressure sensors are really differential pressure sensors; for example a gauge pressure sensor is merely a differential pressure sensor in which one side is open to the ambient atmosphere.

Global differential pressure sensors main players include Honeywell, ABB, Amphenol, Panasonic, Siemens, etc., totally accounting for about 37% of the market. North America is the largest market, with a share over 32%. As for the types of products, it can be divided into digital type differential pressure sensors and analog type differential pressure sensors. The most common product is analog type differential pressure sensors, with a share over 65%. In terms of applications, it is widely used in automotive, medical, HVAC, industrial, military and defense and others. Automotive is the largest application, holding a share over 26%.

Report Scope

This report quantifies the global Differential Pressure Sensors market in revenue (US\$ million) and, where applicable, sales volume (K Units), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/K Units) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to Differential Pressure Sensors.

Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

Differential Pressure Sensors Market by Company

Honeywell

ABB

Amphenol
Panasonic
Siemens
Bosch
TE Connectivity
Emerson
Sensata
NXP
WIKA
Sensirion
First Sensor
Omron
Continental
Keller
Gems Sensors
OMEGA Engineering
Yokogawa Electric
AB Elektronik
Ashcroft
Lord Corporation
Setra Systems
KEYENCE
Hunan Firstrate Sensor

Differential Pressure Sensors Segment by Type

Digital Type Differential Pressure Sensors
Analog Type Differential Pressure Sensors

Differential Pressure Sensors Segment by Application

Automotive
Medical
HVAC
Industrial
Military and Defense
Others

Differential Pressure Sensors Segment by Region

North America
United States
Canada
Mexico
Europe
Germany
France
U.K.
Italy
Russia
Spain
Netherlands

Switzerland
Sweden
Poland
Asia-Pacific
China
Japan
South Korea
India
Australia
Taiwan
Southeast Asia
South America
Brazil
Argentina
Chile
Middle East & Africa
Egypt
South Africa
Israel
Türkiye
GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Differential Pressure Sensors market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Differential Pressure Sensors and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Differential Pressure Sensors.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Research objectives, research methods, data sources, data cross-validation;

Chapter 2:

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3:

Detailed analysis of Differential Pressure Sensors manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5:

Production/output, value of Differential Pressure Sensors by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6:

Consumption of Differential Pressure Sensors in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11:

The main points and conclusions of the report.

Table of Contents

1 Preface

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 Market Overview

- 2.1 Product Definition
- 2.2 Differential Pressure Sensors by Type
 - 2.2.1 Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.2.2 Digital Type Differential Pressure Sensors
 - 2.2.3 Analog Type Differential Pressure Sensors
- 2.3 Differential Pressure Sensors by Application
 - 2.3.1 Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.3.2 Automotive
 - 2.3.3 Medical
 - 2.3.4 HVAC
 - 2.3.5 Industrial
 - 2.3.6 Military and Defense
 - 2.3.7 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Differential Pressure Sensors Production Value Estimates and Forecasts (2021-2032)
 - 2.4.2 Global Differential Pressure Sensors Production Capacity Estimates and Forecasts (2021-2032)
 - 2.4.3 Global Differential Pressure Sensors Production Estimates and Forecasts (2021-2032)
 - 2.4.4 Global Differential Pressure Sensors Market Average Price (2021-2032)

3 Market Competitive Landscape by Manufacturers

- 3.1 Global Differential Pressure Sensors Production by Manufacturers (2021-2026)
- 3.2 Global Differential Pressure Sensors Production Value by Manufacturers (2021-2026)
- 3.3 Global Differential Pressure Sensors Average Price by Manufacturers (2021-2026)
- 3.4 Global Differential Pressure Sensors Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Differential Pressure Sensors Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Differential Pressure Sensors Manufacturers, Product Type & Application
- 3.7 Global Differential Pressure Sensors Manufacturers Established Date
- 3.8 Global Differential Pressure Sensors Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 Manufacturers Profiled

- 4.1 Honeywell
 - 4.1.1 Honeywell Differential Pressure Sensors Company Information
 - 4.1.2 Honeywell Differential Pressure Sensors Business Overview
 - 4.1.3 Honeywell Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)
 - 4.1.4 Honeywell Product Portfolio

4.1.5 Honeywell Recent Developments

4.2 ABB

4.2.1 ABB Differential Pressure Sensors Company Information

4.2.2 ABB Differential Pressure Sensors Business Overview

4.2.3 ABB Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.2.4 ABB Product Portfolio

4.2.5 ABB Recent Developments

4.3 Amphenol

4.3.1 Amphenol Differential Pressure Sensors Company Information

4.3.2 Amphenol Differential Pressure Sensors Business Overview

4.3.3 Amphenol Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.3.4 Amphenol Product Portfolio

4.3.5 Amphenol Recent Developments

4.4 Panasonic

4.4.1 Panasonic Differential Pressure Sensors Company Information

4.4.2 Panasonic Differential Pressure Sensors Business Overview

4.4.3 Panasonic Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.4.4 Panasonic Product Portfolio

4.4.5 Panasonic Recent Developments

4.5 Siemens

4.5.1 Siemens Differential Pressure Sensors Company Information

4.5.2 Siemens Differential Pressure Sensors Business Overview

4.5.3 Siemens Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.5.4 Siemens Product Portfolio

4.5.5 Siemens Recent Developments

4.6 Bosch

4.6.1 Bosch Differential Pressure Sensors Company Information

4.6.2 Bosch Differential Pressure Sensors Business Overview

4.6.3 Bosch Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.6.4 Bosch Product Portfolio

4.6.5 Bosch Recent Developments

4.7 TE Connectivity

4.7.1 TE Connectivity Differential Pressure Sensors Company Information

4.7.2 TE Connectivity Differential Pressure Sensors Business Overview

4.7.3 TE Connectivity Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.7.4 TE Connectivity Product Portfolio

4.7.5 TE Connectivity Recent Developments

4.8 Emerson

4.8.1 Emerson Differential Pressure Sensors Company Information

4.8.2 Emerson Differential Pressure Sensors Business Overview

4.8.3 Emerson Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.8.4 Emerson Product Portfolio

4.8.5 Emerson Recent Developments

4.9 Sensata

4.9.1 Sensata Differential Pressure Sensors Company Information

4.9.2 Sensata Differential Pressure Sensors Business Overview

4.9.3 Sensata Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.9.4 Sensata Product Portfolio

4.9.5 Sensata Recent Developments

4.10 NXP

4.10.1 NXP Differential Pressure Sensors Company Information

4.10.2 NXP Differential Pressure Sensors Business Overview

4.10.3 NXP Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.10.4 NXP Product Portfolio

4.10.5 NXP Recent Developments

4.11 WIKA

4.11.1 WIKA Differential Pressure Sensors Company Information

4.11.2 WIKA Differential Pressure Sensors Business Overview

4.11.3 WIKA Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.11.4 WIKA Product Portfolio

4.11.5 WIKA Recent Developments

4.12 Sensirion

4.12.1 Sensirion Differential Pressure Sensors Company Information

4.12.2 Sensirion Differential Pressure Sensors Business Overview

4.12.3 Sensirion Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.12.4 Sensirion Product Portfolio

4.12.5 Sensirion Recent Developments

4.13 First Sensor

4.13.1 First Sensor Differential Pressure Sensors Company Information

4.13.2 First Sensor Differential Pressure Sensors Business Overview

4.13.3 First Sensor Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.13.4 First Sensor Product Portfolio

4.13.5 First Sensor Recent Developments

4.14 Omron

4.14.1 Omron Differential Pressure Sensors Company Information

4.14.2 Omron Differential Pressure Sensors Business Overview

4.14.3 Omron Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.14.4 Omron Product Portfolio

4.14.5 Omron Recent Developments

4.15 Continental

4.15.1 Continental Differential Pressure Sensors Company Information

4.15.2 Continental Differential Pressure Sensors Business Overview

4.15.3 Continental Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.15.4 Continental Product Portfolio

4.15.5 Continental Recent Developments

4.16 Keller

4.16.1 Keller Differential Pressure Sensors Company Information

4.16.2 Keller Differential Pressure Sensors Business Overview

4.16.3 Keller Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.16.4 Keller Product Portfolio

4.16.5 Keller Recent Developments

4.17 Gems Sensors

4.17.1 Gems Sensors Differential Pressure Sensors Company Information

4.17.2 Gems Sensors Differential Pressure Sensors Business Overview

4.17.3 Gems Sensors Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.17.4 Gems Sensors Product Portfolio

4.17.5 Gems Sensors Recent Developments

4.18 OMEGA Engineering

4.18.1 OMEGA Engineering Differential Pressure Sensors Company Information

4.18.2 OMEGA Engineering Differential Pressure Sensors Business Overview

4.18.3 OMEGA Engineering Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.18.4 OMEGA Engineering Product Portfolio

4.18.5 OMEGA Engineering Recent Developments

4.19 Yokogawa Electric

4.19.1 Yokogawa Electric Differential Pressure Sensors Company Information

4.19.2 Yokogawa Electric Differential Pressure Sensors Business Overview

4.19.3 Yokogawa Electric Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.19.4 Yokogawa Electric Product Portfolio

4.19.5 Yokogawa Electric Recent Developments

4.20 AB Elektronik

4.20.1 AB Elektronik Differential Pressure Sensors Company Information

4.20.2 AB Elektronik Differential Pressure Sensors Business Overview

4.20.3 AB Elektronik Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.20.4 AB Elektronik Product Portfolio

4.20.5 AB Elektronik Recent Developments

4.21 Ashcroft

4.21.1 Ashcroft Differential Pressure Sensors Company Information

4.21.2 Ashcroft Differential Pressure Sensors Business Overview

4.21.3 Ashcroft Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.21.4 Ashcroft Product Portfolio

4.21.5 Ashcroft Recent Developments

4.22 Lord Corporation

4.22.1 Lord Corporation Differential Pressure Sensors Company Information

4.22.2 Lord Corporation Differential Pressure Sensors Business Overview

4.22.3 Lord Corporation Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.22.4 Lord Corporation Product Portfolio

4.22.5 Lord Corporation Recent Developments

4.23 Setra Systems

4.23.1 Setra Systems Differential Pressure Sensors Company Information

4.23.2 Setra Systems Differential Pressure Sensors Business Overview

4.23.3 Setra Systems Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.23.4 Setra Systems Product Portfolio

4.23.5 Setra Systems Recent Developments

4.24 KEYENCE

4.24.1 KEYENCE Differential Pressure Sensors Company Information

4.24.2 KEYENCE Differential Pressure Sensors Business Overview

4.24.3 KEYENCE Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.24.4 KEYENCE Product Portfolio

4.24.5 KEYENCE Recent Developments

4.25 Hunan Firstrate Sensor

4.25.1 Hunan Firstrate Sensor Differential Pressure Sensors Company Information

4.25.2 Hunan Firstrate Sensor Differential Pressure Sensors Business Overview

4.25.3 Hunan Firstrate Sensor Differential Pressure Sensors Production, Value and Gross Margin (2021-2026)

4.25.4 Hunan Firstrate Sensor Product Portfolio

5 Global Differential Pressure Sensors Production by Region

- 5.1 Global Differential Pressure Sensors Production Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.2 Global Differential Pressure Sensors Production by Region: 2021-2032
 - 5.2.1 Global Differential Pressure Sensors Production by Region: 2021-2026
 - 5.2.2 Global Differential Pressure Sensors Production Forecast by Region (2027-2032)
- 5.3 Global Differential Pressure Sensors Production Value Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.4 Global Differential Pressure Sensors Production Value by Region: 2021-2032
 - 5.4.1 Global Differential Pressure Sensors Production Value by Region: 2021-2026
 - 5.4.2 Global Differential Pressure Sensors Production Value Forecast by Region (2027-2032)
- 5.5 Global Differential Pressure Sensors Market Price Analysis by Region (2021-2026)
- 5.6 Global Differential Pressure Sensors Production and Value, YOY Growth
 - 5.6.1 North America Differential Pressure Sensors Production Value Estimates and Forecasts (2021-2032)
 - 5.6.2 Europe Differential Pressure Sensors Production Value Estimates and Forecasts (2021-2032)
 - 5.6.3 China Differential Pressure Sensors Production Value Estimates and Forecasts (2021-2032)
 - 5.6.4 Japan Differential Pressure Sensors Production Value Estimates and Forecasts (2021-2032)
 - 5.6.5 South Korea Differential Pressure Sensors Production Value Estimates and Forecasts (2021-2032)

6 Global Differential Pressure Sensors Consumption by Region

- 6.1 Global Differential Pressure Sensors Consumption Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 6.2 Global Differential Pressure Sensors Consumption by Region (2021-2032)
 - 6.2.1 Global Differential Pressure Sensors Consumption by Region: 2021-2026
 - 6.2.2 Global Differential Pressure Sensors Forecasted Consumption by Region (2027-2032)
- 6.3 North America
 - 6.3.1 North America Differential Pressure Sensors Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 6.3.2 North America Differential Pressure Sensors Consumption by Country (2021-2032)
 - 6.3.3 United States
 - 6.3.4 Canada
 - 6.3.5 Mexico
- 6.4 Europe
 - 6.4.1 Europe Differential Pressure Sensors Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 6.4.2 Europe Differential Pressure Sensors Consumption by Country (2021-2032)
 - 6.4.3 Germany
 - 6.4.4 France
 - 6.4.5 U.K.
 - 6.4.6 Italy
 - 6.4.7 Russia
 - 6.4.8 Spain
 - 6.4.9 Netherlands
 - 6.4.10 Switzerland
 - 6.4.11 Sweden
 - 6.4.12 Poland
- 6.5 Asia Pacific
 - 6.5.1 Asia Pacific Differential Pressure Sensors Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 6.5.2 Asia Pacific Differential Pressure Sensors Consumption by Country (2021-2032)
 - 6.5.3 China
 - 6.5.4 Japan
 - 6.5.5 South Korea

6.5.6 India
6.5.7 Australia
6.5.8 Taiwan
6.5.9 Southeast Asia
6.6 South America, Middle East & Africa
6.6.1 South America, Middle East & Africa Differential Pressure Sensors Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
6.6.2 South America, Middle East & Africa Differential Pressure Sensors Consumption by Country (2021-2032)
6.6.3 Brazil
6.6.4 Argentina
6.6.5 Chile
6.6.6 Turkey
6.6.7 GCC Countries

7 Segment by Type

7.1 Global Differential Pressure Sensors Production by Type (2021-2032)
7.1.1 Global Differential Pressure Sensors Production by Type (2021-2032) & (K Units)
7.1.2 Global Differential Pressure Sensors Production Market Share by Type (2021-2032)
7.2 Global Differential Pressure Sensors Production Value by Type (2021-2032)
7.2.1 Global Differential Pressure Sensors Production Value by Type (2021-2032) & (US\$ Million)
7.2.2 Global Differential Pressure Sensors Production Value Market Share by Type (2021-2032)
7.3 Global Differential Pressure Sensors Price by Type (2021-2032)

8 Segment by Application

8.1 Global Differential Pressure Sensors Production by Application (2021-2032)
8.1.1 Global Differential Pressure Sensors Production by Application (2021-2032) & (K Units)
8.1.2 Global Differential Pressure Sensors Production Market Share by Application (2021-2032)
8.2 Global Differential Pressure Sensors Production Value by Application (2021-2032)
8.2.1 Global Differential Pressure Sensors Production Value by Application (2021-2032) & (US\$ Million)
8.2.2 Global Differential Pressure Sensors Production Value Market Share by Application (2021-2032)
8.3 Global Differential Pressure Sensors Price by Application (2021-2032)

9 Value Chain and Sales Channels Analysis of the Market

9.1 Differential Pressure Sensors Value Chain Analysis
9.1.1 Differential Pressure Sensors Key Raw Materials
9.1.2 Raw Materials Key Suppliers
9.1.3 Differential Pressure Sensors Production Mode & Process
9.2 Differential Pressure Sensors Sales Channels Analysis
9.2.1 Direct Comparison with Distribution Share
9.2.2 Differential Pressure Sensors Distributors
9.2.3 Differential Pressure Sensors Customers

10 Global Differential Pressure Sensors Analyzing Market Dynamics

10.1 Differential Pressure Sensors Industry Trends
10.2 Differential Pressure Sensors Industry Drivers
10.3 Differential Pressure Sensors Industry Opportunities and Challenges
10.4 Differential Pressure Sensors Industry Restraints

11 Report Conclusion

12 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Secondary Sources
- Table 2: Primary Sources
- Table 3: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 4: Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global Differential Pressure Sensors Production by Manufacturers (K Units) & (2021-2026)
- Table 6: Global Differential Pressure Sensors Production Market Share by Manufacturers
- Table 7: Global Differential Pressure Sensors Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 8: Global Differential Pressure Sensors Production Value Market Share by Manufacturers (2021-2026)
- Table 9: Global Differential Pressure Sensors Average Price (US\$/Unit) of Manufacturers (2021-2026)
- Table 10: Global Differential Pressure Sensors Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global Differential Pressure Sensors Key Manufacturers, Manufacturing Sites & Headquarters
- Table 12: Global Differential Pressure Sensors Manufacturers, Product Type & Application
- Table 13: Global Differential Pressure Sensors Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Differential Pressure Sensors by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Manufacturers Mergers & Acquisitions, Expansion Plans
- Table 17: Honeywell Company Information
- Table 18: Honeywell Business Overview
- Table 19: Honeywell Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 20: Honeywell Differential Pressure Sensors Product Portfolio
- Table 21: Honeywell Recent Development
- Table 22: ABB Company Information
- Table 23: ABB Business Overview
- Table 24: ABB Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 25: ABB Differential Pressure Sensors Product Portfolio
- Table 26: ABB Recent Development
- Table 27: Amphenol Company Information
- Table 28: Amphenol Business Overview
- Table 29: Amphenol Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 30: Amphenol Differential Pressure Sensors Product Portfolio
- Table 31: Amphenol Recent Development
- Table 32: Panasonic Company Information
- Table 33: Panasonic Business Overview
- Table 34: Panasonic Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 35: Panasonic Differential Pressure Sensors Product Portfolio
- Table 36: Panasonic Recent Development
- Table 37: Siemens Company Information
- Table 38: Siemens Business Overview
- Table 39: Siemens Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 40: Siemens Differential Pressure Sensors Product Portfolio
- Table 41: Siemens Recent Development
- Table 42: Bosch Company Information
- Table 43: Bosch Business Overview
- Table 44: Bosch Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 45: Bosch Differential Pressure Sensors Product Portfolio
- Table 46: Bosch Recent Development
- Table 47: TE Connectivity Company Information
- Table 48: TE Connectivity Business Overview

- Table 49: TE Connectivity Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 50: TE Connectivity Differential Pressure Sensors Product Portfolio
- Table 51: TE Connectivity Recent Development
- Table 52: Emerson Company Information
- Table 53: Emerson Business Overview
- Table 54: Emerson Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 55: Emerson Differential Pressure Sensors Product Portfolio
- Table 56: Emerson Recent Development
- Table 57: Sensata Company Information
- Table 58: Sensata Business Overview
- Table 59: Sensata Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 60: Sensata Differential Pressure Sensors Product Portfolio
- Table 61: Sensata Recent Development
- Table 62: NXP Company Information
- Table 63: NXP Business Overview
- Table 64: NXP Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 65: NXP Differential Pressure Sensors Product Portfolio
- Table 66: NXP Recent Development
- Table 67: WIKA Company Information
- Table 68: WIKA Business Overview
- Table 69: WIKA Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 70: WIKA Differential Pressure Sensors Product Portfolio
- Table 71: WIKA Recent Development
- Table 72: Sensirion Company Information
- Table 73: Sensirion Business Overview
- Table 74: Sensirion Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 75: Sensirion Differential Pressure Sensors Product Portfolio
- Table 76: Sensirion Recent Development
- Table 77: First Sensor Company Information
- Table 78: First Sensor Business Overview
- Table 79: First Sensor Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 80: First Sensor Differential Pressure Sensors Product Portfolio
- Table 81: First Sensor Recent Development
- Table 82: Omron Company Information
- Table 83: Omron Business Overview
- Table 84: Omron Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 85: Omron Differential Pressure Sensors Product Portfolio
- Table 86: Omron Recent Development
- Table 87: Continental Company Information
- Table 88: Continental Business Overview
- Table 89: Continental Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 90: Continental Differential Pressure Sensors Product Portfolio
- Table 91: Continental Recent Development
- Table 92: Keller Company Information
- Table 93: Keller Business Overview
- Table 94: Keller Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 95: Keller Differential Pressure Sensors Product Portfolio
- Table 96: Keller Recent Development
- Table 97: Gems Sensors Company Information
- Table 98: Gems Sensors Business Overview
- Table 99: Gems Sensors Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 100: Gems Sensors Differential Pressure Sensors Product Portfolio
- Table 101: Gems Sensors Recent Development
- Table 102: OMEGA Engineering Company Information

- Table 103: OMEGA Engineering Business Overview
- Table 104: OMEGA Engineering Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 105: OMEGA Engineering Differential Pressure Sensors Product Portfolio
- Table 106: OMEGA Engineering Recent Development
- Table 107: Yokogawa Electric Company Information
- Table 108: Yokogawa Electric Business Overview
- Table 109: Yokogawa Electric Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 110: Yokogawa Electric Differential Pressure Sensors Product Portfolio
- Table 111: Yokogawa Electric Recent Development
- Table 112: AB Elektronik Company Information
- Table 113: AB Elektronik Business Overview
- Table 114: AB Elektronik Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 115: AB Elektronik Differential Pressure Sensors Product Portfolio
- Table 116: AB Elektronik Recent Development
- Table 117: Ashcroft Company Information
- Table 118: Ashcroft Business Overview
- Table 119: Ashcroft Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 120: Ashcroft Differential Pressure Sensors Product Portfolio
- Table 121: Ashcroft Recent Development
- Table 122: Lord Corporation Company Information
- Table 123: Lord Corporation Business Overview
- Table 124: Lord Corporation Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 125: Lord Corporation Differential Pressure Sensors Product Portfolio
- Table 126: Lord Corporation Recent Development
- Table 127: Setra Systems Company Information
- Table 128: Setra Systems Business Overview
- Table 129: Setra Systems Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 130: Setra Systems Differential Pressure Sensors Product Portfolio
- Table 131: Setra Systems Recent Development
- Table 132: KEYENCE Company Information
- Table 133: KEYENCE Business Overview
- Table 134: KEYENCE Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 135: KEYENCE Differential Pressure Sensors Product Portfolio
- Table 136: KEYENCE Recent Development
- Table 137: Hunan Firstrate Sensor Company Information
- Table 138: Hunan Firstrate Sensor Business Overview
- Table 139: Hunan Firstrate Sensor Differential Pressure Sensors Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 140: Hunan Firstrate Sensor Differential Pressure Sensors Product Portfolio
- Table 141: Hunan Firstrate Sensor Recent Development
- Table 142: Global Differential Pressure Sensors Production Comparison by Region: 2021 VS 2025 VS 2032 (K Units)
- Table 143: Global Differential Pressure Sensors Production by Region (2021-2026) & (K Units)
- Table 144: Global Differential Pressure Sensors Production Market Share by Region (2021-2026)
- Table 145: Global Differential Pressure Sensors Production Forecast by Region (2027-2032) & (K Units)
- Table 146: Global Differential Pressure Sensors Production Market Share Forecast by Region (2027-2032)
- Table 147: Global Differential Pressure Sensors Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 148: Global Differential Pressure Sensors Production Value by Region (2021-2026) & (US\$ Million)
- Table 149: Global Differential Pressure Sensors Production Value Market Share by Region (2021-2026)
- Table 150: Global Differential Pressure Sensors Production Value Forecast by Region (2027-2032) & (US\$ Million)
- Table 151: Global Differential Pressure Sensors Market Average Price (US\$/Unit) by Region (2021-2026)
- Table 152: Global Differential Pressure Sensors Market Average Price (US\$/Unit) by Region (2027-2032)
- Table 153: Global Differential Pressure Sensors Consumption Comparison by Region: 2021 VS 2025 VS 2032 (K Units)
- Table 154: Global Differential Pressure Sensors Consumption by Region (2021-2026) & (K Units)
- Table 155: Global Differential Pressure Sensors Consumption Market Share by Region (2021-2026)
- Table 156: Global Differential Pressure Sensors Forecasted Consumption by Region (2027-2032) & (K Units)
- Table 157: Global Differential Pressure Sensors Forecasted Consumption Market Share by Region (2027-2032)
- Table 158: North America Differential Pressure Sensors Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K

Units)

- Table 159: North America Differential Pressure Sensors Consumption by Country (2021-2026) & (K Units)
- Table 160: North America Differential Pressure Sensors Consumption by Country (2027-2032) & (K Units)
- Table 161: Europe Differential Pressure Sensors Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K Units)
- Table 162: Europe Differential Pressure Sensors Consumption by Country (2021-2026) & (K Units)
- Table 163: Europe Differential Pressure Sensors Consumption by Country (2027-2032) & (K Units)
- Table 164: Asia Pacific Differential Pressure Sensors Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K Units)
- Table 165: Asia Pacific Differential Pressure Sensors Consumption by Country (2021-2026) & (K Units)
- Table 166: Asia Pacific Differential Pressure Sensors Consumption by Country (2027-2032) & (K Units)
- Table 167: South America, Middle East & Africa Differential Pressure Sensors Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K Units)
- Table 168: South America, Middle East & Africa Differential Pressure Sensors Consumption by Country (2021-2026) & (K Units)
- Table 169: South America, Middle East & Africa Differential Pressure Sensors Consumption by Country (2027-2032) & (K Units)
- Table 170: Global Differential Pressure Sensors Production by Type (2021-2026) & (K Units)
- Table 171: Global Differential Pressure Sensors Production by Type (2027-2032) & (K Units)
- Table 172: Global Differential Pressure Sensors Production Market Share by Type (2021-2026)
- Table 173: Global Differential Pressure Sensors Production Market Share by Type (2027-2032)
- Table 174: Global Differential Pressure Sensors Production Value by Type (2021-2026) & (US\$ Million)
- Table 175: Global Differential Pressure Sensors Production Value by Type (2027-2032) & (US\$ Million)
- Table 176: Global Differential Pressure Sensors Production Value Market Share by Type (2021-2026)
- Table 177: Global Differential Pressure Sensors Production Value Market Share by Type (2027-2032)
- Table 178: Global Differential Pressure Sensors Price by Type (2021-2026) & (US\$/Unit)
- Table 179: Global Differential Pressure Sensors Price by Type (2027-2032) & (US\$/Unit)
- Table 180: Global Differential Pressure Sensors Production by Application (2021-2026) & (K Units)
- Table 181: Global Differential Pressure Sensors Production by Application (2027-2032) & (K Units)
- Table 182: Global Differential Pressure Sensors Production Market Share by Application (2021-2026)
- Table 183: Global Differential Pressure Sensors Production Market Share by Application (2027-2032)
- Table 184: Global Differential Pressure Sensors Production Value by Application (2021-2026) & (US\$ Million)
- Table 185: Global Differential Pressure Sensors Production Value by Application (2027-2032) & (US\$ Million)
- Table 186: Global Differential Pressure Sensors Production Value Market Share by Application (2021-2026)
- Table 187: Global Differential Pressure Sensors Production Value Market Share by Application (2027-2032)
- Table 188: Global Differential Pressure Sensors Price by Application (2021-2026) & (US\$/Unit)
- Table 189: Global Differential Pressure Sensors Price by Application (2027-2032) & (US\$/Unit)
- Table 190: Key Raw Materials
- Table 191: Raw Materials Key Suppliers
- Table 192: Differential Pressure Sensors Distributors List
- Table 193: Differential Pressure Sensors Customers List
- Table 194: Differential Pressure Sensors Industry Trends
- Table 195: Differential Pressure Sensors Industry Drivers
- Table 196: Differential Pressure Sensors Industry Restraints
- Table 197: Authors List of This Report

List of Figures:

- Figure 1: Research Methodology
- Figure 2: Research Process
- Figure 3: Key Executives Interviewed
- Figure 4: Differential Pressure Sensors Product Image
- Figure 5: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 6: Digital Type Differential Pressure Sensors Product Image
- Figure 7: Analog Type Differential Pressure Sensors Product Image
- Figure 8: Automotive Product Image
- Figure 9: Medical Product Image
- Figure 10: HVAC Product Image
- Figure 11: Industrial Product Image
- Figure 12: Military and Defense Product Image
- Figure 13: Others Product Image
- Figure 14: Global Differential Pressure Sensors Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 15: Global Differential Pressure Sensors Production Value (2021-2032) & (US\$ Million)
- Figure 16: Global Differential Pressure Sensors Production Capacity (2021-2032) & (K Units)
- Figure 17: Global Differential Pressure Sensors Production (2021-2032) & (K Units)
- Figure 18: Global Differential Pressure Sensors Average Price (US\$/Unit) & (2021-2032)

- Figure 19: Global Differential Pressure Sensors Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 20: Global Top 5 and 10 Differential Pressure Sensors Players Market Share by Production Value in 2025
- Figure 21: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 22: Global Differential Pressure Sensors Production Comparison by Region: 2021 VS 2025 VS 2032 (K Units)
- Figure 23: Global Differential Pressure Sensors Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 24: Global Differential Pressure Sensors Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 25: Global Differential Pressure Sensors Production Value Market Share by Region: 2021 VS 2025 VS 2032
- Figure 26: North America Differential Pressure Sensors Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 27: Europe Differential Pressure Sensors Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 28: China Differential Pressure Sensors Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 29: Japan Differential Pressure Sensors Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 30: South Korea Differential Pressure Sensors Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 31: Global Differential Pressure Sensors Consumption Comparison by Region: 2021 VS 2025 VS 2032 (K Units)
- Figure 32: Global Differential Pressure Sensors Consumption Market Share by Region: 2021 VS 2025 VS 2032
- Figure 33: North America Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 34: North America Differential Pressure Sensors Consumption Market Share by Country (2021-2032)
- Figure 35: United States Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 36: United States Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 37: Canada Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 38: Mexico Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 39: Europe Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 40: Europe Differential Pressure Sensors Consumption Market Share by Country (2021-2032)
- Figure 41: Germany Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 42: France Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 43: U.K. Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 44: Italy Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 45: Russia Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 46: Spain Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 47: Netherlands Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 48: Switzerland Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 49: Sweden Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 50: Poland Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 51: Asia Pacific Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 52: Asia Pacific Differential Pressure Sensors Consumption Market Share by Country (2021-2032)
- Figure 53: China Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 54: Japan Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 55: South Korea Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 56: India Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 57: Australia Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 58: Taiwan Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 59: Southeast Asia Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 60: South America, Middle East & Africa Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 61: South America, Middle East & Africa Differential Pressure Sensors Consumption Market Share by Country (2021-2032)
- Figure 62: Brazil Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 63: Argentina Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 64: Chile Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 65: Turkey Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 66: GCC Countries Differential Pressure Sensors Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 67: Global Differential Pressure Sensors Production Market Share by Type (2021-2032)
- Figure 68: Global Differential Pressure Sensors Production Value Market Share by Type (2021-2032)
- Figure 69: Global Differential Pressure Sensors Price (US\$/Unit) by Type (2021-2032)
- Figure 70: Global Differential Pressure Sensors Production Market Share by Application (2021-2032)
- Figure 71: Global Differential Pressure Sensors Production Value Market Share by Application (2021-2032)
- Figure 72: Global Differential Pressure Sensors Price (US\$/Unit) by Application (2021-2032)
- Figure 73: Differential Pressure Sensors Value Chain
- Figure 74: Differential Pressure Sensors Production Mode & Process
- Figure 75: Direct Comparison with Distribution Share
- Figure 76: Distributors Profiles
- Figure 77: Differential Pressure Sensors Industry Opportunities and Challenges

