

Global Pressure & Temperature Transducer Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Pressure & Temperature Transducer market size is expected to reach \$ 4377 million by 2032, rising at a market growth of 34.4% CAGR during the forecast period (2026-2032).

Pressure and temperature sensors are a type of detection device used to measure changes in medium pressure and temperature and convert them into electrical signals for output. They typically consist of pressure sensitive components, temperature sensitive components, and signal processing circuits, and can achieve real-time monitoring of gas, liquid, or vapor state parameters. This type of sensor can simultaneously obtain critical operating condition data during the operation of industrial equipment, improve process control accuracy and equipment safety, and is widely used in industrial automation, energy equipment, automotive systems, HVAC equipment, and environmental monitoring. It is an important basic component in modern intelligent monitoring systems. In 2025, global Pressure & Temperature Transducer production reached approximately 89.49 M Units, with an average global market price of around US\$ 6.12 per unit.

The demand for pressure and temperature sensors continues to grow, mainly driven by the upgrading of industrial automation, the advancement of intelligent manufacturing, and the rapid popularization of IoT devices. With the continuous improvement of device digitization and system integration, the market's demand for high-precision, miniaturized, low-power, and intelligent sensors has significantly increased. At the same time, the development of MEMS technology and digital communication technology has also promoted the upgrading of products towards high integration and intelligent monitoring. In the future, industry competition will focus more on core technological capabilities, product reliability, and application solutions, with industrial, automotive, and

energy sectors remaining the main sources of market demand.

This report studies the global Pressure & Temperature Transducer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Pressure & Temperature Transducer and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Pressure & Temperature Transducer that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Pressure & Temperature Transducer total production and demand, 2021-2032, (M Units)

Global Pressure & Temperature Transducer total production value, 2021-2032, (USD Million)

Global Pressure & Temperature Transducer production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (M Units), (based on production site)

Global Pressure & Temperature Transducer consumption by region & country, CAGR, 2021-2032 & (M Units)

U.S. VS China: Pressure & Temperature Transducer domestic production, consumption, key domestic manufacturers and share

Global Pressure & Temperature Transducer production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (M Units)

Global Pressure & Temperature Transducer production by Type, production, value, CAGR, 2021-2032, (USD Million) & (M Units)

Global Pressure & Temperature Transducer production by Application, production, value, CAGR, 2021-2032, (USD Million) & (M Units)

This report profiles key players in the global Pressure & Temperature Transducer 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 Bosch, Sensata Technologies, TE Connectivity, Hella, Kulite, Shenzhen Ampron Technology, Gems Sensors, Variohm, Stellar Technology, KA Sensors Ltd, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Pressure & Temperature Transducer market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (M Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Pressure & Temperature Transducer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Pressure & Temperature Transducer Market, Segmentation by Type:

Embedded Installation

Thread Installation

Global Pressure & Temperature Transducer Market, Segmentation by Electrical Connection:

Straight Out Cable

Hirschmann Joint

Others

Global Pressure & Temperature Transducer Market, Segmentation by Shell Material:

304 Stainless Steel

316 Stainless Steel

Global Pressure & Temperature Transducer Market, Segmentation by Application:

Automobile

Internet Of Things

Industrial

Oil and Gas Transportation

Medical Instruments

Others

Companies Profiled:

Bosch

Sensata Technologies

TE Connectivity

Hella

Kulite

Shenzhen Ampron Technology

Gems Sensors

Variohm

Stellar Technology

KA Sensors Ltd

Wuhan Huagong XingaoLi Electron

Piezo-Metrics

EMA Electronics

Hydrotechnik UK Ltd

Key Questions Answered:

1. How big is the global Pressure & Temperature Transducer market?
2. What is the demand of the global Pressure & Temperature Transducer market?
3. What is the year over year growth of the global Pressure & Temperature Transducer market?
4. What is the production and production value of the global Pressure & Temperature Transducer market?
5. Who are the key producers in the global Pressure & Temperature Transducer market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Pressure & Temperature Transducer Introduction
- 1.2 World Pressure & Temperature Transducer Supply & Forecast
 - 1.2.1 World Pressure & Temperature Transducer Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Pressure & Temperature Transducer Production (2021-2032)
 - 1.2.3 World Pressure & Temperature Transducer Pricing Trends (2021-2032)
- 1.3 World Pressure & Temperature Transducer Production by Region (Based on Production Site)
 - 1.3.1 World Pressure & Temperature Transducer Production Value by Region (2021-2032)
 - 1.3.2 World Pressure & Temperature Transducer Production by Region (2021-2032)
 - 1.3.3 World Pressure & Temperature Transducer Average Price by Region (2021-2032)
 - 1.3.4 North America Pressure & Temperature Transducer Production (2021-2032)
 - 1.3.5 Europe Pressure & Temperature Transducer Production (2021-2032)
 - 1.3.6 China Pressure & Temperature Transducer Production (2021-2032)
 - 1.3.7 Japan Pressure & Temperature Transducer Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Pressure & Temperature Transducer Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Pressure & Temperature Transducer Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Pressure & Temperature Transducer Demand (2021-2032)
- 2.2 World Pressure & Temperature Transducer Consumption by Region
 - 2.2.1 World Pressure & Temperature Transducer Consumption by Region (2021-2026)
 - 2.2.2 World Pressure & Temperature Transducer Consumption Forecast by Region (2027-2032)
- 2.3 United States Pressure & Temperature Transducer Consumption (2021-2032)
- 2.4 China Pressure & Temperature Transducer Consumption (2021-2032)
- 2.5 Europe Pressure & Temperature Transducer Consumption (2021-2032)
- 2.6 Japan Pressure & Temperature Transducer Consumption (2021-2032)
- 2.7 South Korea Pressure & Temperature Transducer Consumption (2021-2032)
- 2.8 ASEAN Pressure & Temperature Transducer Consumption (2021-2032)

2.9 India Pressure & Temperature Transducer Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Pressure & Temperature Transducer Production Value by Manufacturer (2021-2026)

3.2 World Pressure & Temperature Transducer Production by Manufacturer (2021-2026)

3.3 World Pressure & Temperature Transducer Average Price by Manufacturer (2021-2026)

3.4 Pressure & Temperature Transducer Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Pressure & Temperature Transducer Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Pressure & Temperature Transducer in 2025

3.5.3 Global Concentration Ratios (CR8) for Pressure & Temperature Transducer in 2025

3.6 Pressure & Temperature Transducer Market: Overall Company Footprint Analysis

3.6.1 Pressure & Temperature Transducer Market: Region Footprint

3.6.2 Pressure & Temperature Transducer Market: Company Product Type Footprint

3.6.3 Pressure & Temperature Transducer Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Pressure & Temperature Transducer Production Value Comparison

4.1.1 United States VS China: Pressure & Temperature Transducer Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Pressure & Temperature Transducer Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Pressure & Temperature Transducer Production

Comparison

4.2.1 United States VS China: Pressure & Temperature Transducer Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Pressure & Temperature Transducer Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Pressure & Temperature Transducer Consumption Comparison

4.3.1 United States VS China: Pressure & Temperature Transducer Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Pressure & Temperature Transducer Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Pressure & Temperature Transducer Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Pressure & Temperature Transducer Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Pressure & Temperature Transducer Production Value (2021-2026)

4.4.3 United States Based Manufacturers Pressure & Temperature Transducer Production (2021-2026)

4.5 China Based Pressure & Temperature Transducer Manufacturers and Market Share

4.5.1 China Based Pressure & Temperature Transducer Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Pressure & Temperature Transducer Production Value (2021-2026)

4.5.3 China Based Manufacturers Pressure & Temperature Transducer Production (2021-2026)

4.6 Rest of World Based Pressure & Temperature Transducer Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Pressure & Temperature Transducer Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Pressure & Temperature Transducer Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Pressure & Temperature Transducer Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Pressure & Temperature Transducer Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Embedded Installation

5.2.2 Thread Installation

5.3 Market Segment by Type

5.3.1 World Pressure & Temperature Transducer Production by Type (2021-2032)

5.3.2 World Pressure & Temperature Transducer Production Value by Type (2021-2032)

5.3.3 World Pressure & Temperature Transducer Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY ELECTRICAL CONNECTION

6.1 World Pressure & Temperature Transducer Market Size Overview by Electrical Connection: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Electrical Connection

6.2.1 Straight Out Cable

6.2.2 Hirschmann Joint

6.2.3 Others

6.3 Market Segment by Electrical Connection

6.3.1 World Pressure & Temperature Transducer Production by Electrical Connection (2021-2032)

6.3.2 World Pressure & Temperature Transducer Production Value by Electrical Connection (2021-2032)

6.3.3 World Pressure & Temperature Transducer Average Price by Electrical Connection (2021-2032)

7 MARKET ANALYSIS BY SHELL MATERIAL

7.1 World Pressure & Temperature Transducer Market Size Overview by Shell Material: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Shell Material

7.2.1 304 Stainless Steel

7.2.2 316 Stainless Steel

7.3 Market Segment by Shell Material

7.3.1 World Pressure & Temperature Transducer Production by Shell Material (2021-2032)

7.3.2 World Pressure & Temperature Transducer Production Value by Shell Material (2021-2032)

7.3.3 World Pressure & Temperature Transducer Average Price by Shell Material (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Pressure & Temperature Transducer Market Size Overview by Application:
2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Automobile

8.2.2 Internet Of Things

8.2.3 Industrial

8.2.4 Oil and Gas Transportation

8.2.5 Medical Instruments

8.2.6 Others

8.3 Market Segment by Application

8.3.1 World Pressure & Temperature Transducer Production by Application
(2021-2032)

8.3.2 World Pressure & Temperature Transducer Production Value by Application
(2021-2032)

8.3.3 World Pressure & Temperature Transducer Average Price by Application
(2021-2032)

9 COMPANY PROFILES

9.1 Bosch

9.1.1 Bosch Details

9.1.2 Bosch Major Business

9.1.3 Bosch Pressure & Temperature Transducer Product and Services

9.1.4 Bosch Pressure & Temperature Transducer Production, Price, Value, Gross
Margin and Market Share (2021-2026)

9.1.5 Bosch Recent Developments/Updates

9.1.6 Bosch Competitive Strengths & Weaknesses

9.2 Sensata Technologies

9.2.1 Sensata Technologies Details

9.2.2 Sensata Technologies Major Business

9.2.3 Sensata Technologies Pressure & Temperature Transducer Product and
Services

9.2.4 Sensata Technologies Pressure & Temperature Transducer Production, Price,
Value, Gross Margin and Market Share (2021-2026)

9.2.5 Sensata Technologies Recent Developments/Updates

9.2.6 Sensata Technologies Competitive Strengths & Weaknesses

9.3 TE Connectivity

9.3.1 TE Connectivity Details

9.3.2 TE Connectivity Major Business

9.3.3 TE Connectivity Pressure & Temperature Transducer Product and Services

9.3.4 TE Connectivity Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 TE Connectivity Recent Developments/Updates

9.3.6 TE Connectivity Competitive Strengths & Weaknesses

9.4 Hella

9.4.1 Hella Details

9.4.2 Hella Major Business

9.4.3 Hella Pressure & Temperature Transducer Product and Services

9.4.4 Hella Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Hella Recent Developments/Updates

9.4.6 Hella Competitive Strengths & Weaknesses

9.5 Kulite

9.5.1 Kulite Details

9.5.2 Kulite Major Business

9.5.3 Kulite Pressure & Temperature Transducer Product and Services

9.5.4 Kulite Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Kulite Recent Developments/Updates

9.5.6 Kulite Competitive Strengths & Weaknesses

9.6 Shenzhen Ampron Technology

9.6.1 Shenzhen Ampron Technology Details

9.6.2 Shenzhen Ampron Technology Major Business

9.6.3 Shenzhen Ampron Technology Pressure & Temperature Transducer Product and Services

9.6.4 Shenzhen Ampron Technology Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Shenzhen Ampron Technology Recent Developments/Updates

9.6.6 Shenzhen Ampron Technology Competitive Strengths & Weaknesses

9.7 Gems Sensors

9.7.1 Gems Sensors Details

9.7.2 Gems Sensors Major Business

9.7.3 Gems Sensors Pressure & Temperature Transducer Product and Services

9.7.4 Gems Sensors Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.7.5 Gems Sensors Recent Developments/Updates
- 9.7.6 Gems Sensors Competitive Strengths & Weaknesses
- 9.8 Variohm
 - 9.8.1 Variohm Details
 - 9.8.2 Variohm Major Business
 - 9.8.3 Variohm Pressure & Temperature Transducer Product and Services
 - 9.8.4 Variohm Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Variohm Recent Developments/Updates
 - 9.8.6 Variohm Competitive Strengths & Weaknesses
- 9.9 Stellar Technology
 - 9.9.1 Stellar Technology Details
 - 9.9.2 Stellar Technology Major Business
 - 9.9.3 Stellar Technology Pressure & Temperature Transducer Product and Services
 - 9.9.4 Stellar Technology Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Stellar Technology Recent Developments/Updates
 - 9.9.6 Stellar Technology Competitive Strengths & Weaknesses
- 9.10 KA Sensors Ltd
 - 9.10.1 KA Sensors Ltd Details
 - 9.10.2 KA Sensors Ltd Major Business
 - 9.10.3 KA Sensors Ltd Pressure & Temperature Transducer Product and Services
 - 9.10.4 KA Sensors Ltd Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 KA Sensors Ltd Recent Developments/Updates
 - 9.10.6 KA Sensors Ltd Competitive Strengths & Weaknesses
- 9.11 Wuhan Huagong Xingaoli Electron
 - 9.11.1 Wuhan Huagong Xingaoli Electron Details
 - 9.11.2 Wuhan Huagong Xingaoli Electron Major Business
 - 9.11.3 Wuhan Huagong Xingaoli Electron Pressure & Temperature Transducer Product and Services
 - 9.11.4 Wuhan Huagong Xingaoli Electron Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Wuhan Huagong Xingaoli Electron Recent Developments/Updates
 - 9.11.6 Wuhan Huagong Xingaoli Electron Competitive Strengths & Weaknesses
- 9.12 Piezo-Metrics
 - 9.12.1 Piezo-Metrics Details
 - 9.12.2 Piezo-Metrics Major Business
 - 9.12.3 Piezo-Metrics Pressure & Temperature Transducer Product and Services

- 9.12.4 Piezo-Metrics Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.12.5 Piezo-Metrics Recent Developments/Updates
- 9.12.6 Piezo-Metrics Competitive Strengths & Weaknesses
- 9.13 EMA Electronics
 - 9.13.1 EMA Electronics Details
 - 9.13.2 EMA Electronics Major Business
 - 9.13.3 EMA Electronics Pressure & Temperature Transducer Product and Services
 - 9.13.4 EMA Electronics Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 EMA Electronics Recent Developments/Updates
 - 9.13.6 EMA Electronics Competitive Strengths & Weaknesses
- 9.14 Hydrotechnik UK Ltd
 - 9.14.1 Hydrotechnik UK Ltd Details
 - 9.14.2 Hydrotechnik UK Ltd Major Business
 - 9.14.3 Hydrotechnik UK Ltd Pressure & Temperature Transducer Product and Services
 - 9.14.4 Hydrotechnik UK Ltd Pressure & Temperature Transducer Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Hydrotechnik UK Ltd Recent Developments/Updates
 - 9.14.6 Hydrotechnik UK Ltd Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Pressure & Temperature Transducer Industry Chain
- 10.2 Pressure & Temperature Transducer Upstream Analysis
 - 10.2.1 Pressure & Temperature Transducer Core Raw Materials
 - 10.2.2 Main Manufacturers of Pressure & Temperature Transducer Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Pressure & Temperature Transducer Production Mode
- 10.6 Pressure & Temperature Transducer Procurement Model
- 10.7 Pressure & Temperature Transducer Industry Sales Model and Sales Channels
 - 10.7.1 Pressure & Temperature Transducer Sales Model
 - 10.7.2 Pressure & Temperature Transducer Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Pressure & Temperature Transducer Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Pressure & Temperature Transducer Production Value by Region (2021-2026) & (USD Million)

Table 3. World Pressure & Temperature Transducer Production Value by Region (2027-2032) & (USD Million)

Table 4. World Pressure & Temperature Transducer Production Value Market Share by Region (2021-2026)

Table 5. World Pressure & Temperature Transducer Production Value Market Share by Region (2027-2032)

Table 6. World Pressure & Temperature Transducer Production by Region (2021-2026) & (M Units)

Table 7. World Pressure & Temperature Transducer Production by Region (2027-2032) & (M Units)

Table 8. World Pressure & Temperature Transducer Production Market Share by Region (2021-2026)

Table 9. World Pressure & Temperature Transducer Production Market Share by Region (2027-2032)

Table 10. World Pressure & Temperature Transducer Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Pressure & Temperature Transducer Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Pressure & Temperature Transducer Major Market Trends

Table 13. World Pressure & Temperature Transducer Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (M Units)

Table 14. World Pressure & Temperature Transducer Consumption by Region (2021-2026) & (M Units)

Table 15. World Pressure & Temperature Transducer Consumption Forecast by Region (2027-2032) & (M Units)

Table 16. World Pressure & Temperature Transducer Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Pressure & Temperature Transducer Producers in 2025

Table 18. World Pressure & Temperature Transducer Production by Manufacturer (2021-2026) & (M Units)

Table 19. Production Market Share of Key Pressure & Temperature Transducer Producers in 2025

Table 20. World Pressure & Temperature Transducer Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Pressure & Temperature Transducer Company Evaluation Quadrant

Table 22. World Pressure & Temperature Transducer Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Pressure & Temperature Transducer Production Site of Key Manufacturer

Table 24. Pressure & Temperature Transducer Market: Company Product Type Footprint

Table 25. Pressure & Temperature Transducer Market: Company Product Application Footprint

Table 26. Pressure & Temperature Transducer Competitive Factors

Table 27. Pressure & Temperature Transducer New Entrant and Capacity Expansion Plans

Table 28. Pressure & Temperature Transducer Mergers & Acquisitions Activity

Table 29. United States VS China Pressure & Temperature Transducer Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Pressure & Temperature Transducer Production Comparison, (2021 & 2025 & 2032) & (M Units)

Table 31. United States VS China Pressure & Temperature Transducer Consumption Comparison, (2021 & 2025 & 2032) & (M Units)

Table 32. United States Based Pressure & Temperature Transducer Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Pressure & Temperature Transducer Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Pressure & Temperature Transducer Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Pressure & Temperature Transducer Production (2021-2026) & (M Units)

Table 36. United States Based Manufacturers Pressure & Temperature Transducer Production Market Share (2021-2026)

Table 37. China Based Pressure & Temperature Transducer Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Pressure & Temperature Transducer Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Pressure & Temperature Transducer Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Pressure & Temperature Transducer Production, (2021-2026) & (M Units)

Table 41. China Based Manufacturers Pressure & Temperature Transducer Production Market Share (2021-2026)

Table 42. Rest of World Based Pressure & Temperature Transducer Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Pressure & Temperature Transducer Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Pressure & Temperature Transducer Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Pressure & Temperature Transducer Production, (2021-2026) & (M Units)

Table 46. Rest of World Based Manufacturers Pressure & Temperature Transducer Production Market Share (2021-2026)

Table 47. World Pressure & Temperature Transducer Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Pressure & Temperature Transducer Production by Type (2021-2026) & (M Units)

Table 49. World Pressure & Temperature Transducer Production by Type (2027-2032) & (M Units)

Table 50. World Pressure & Temperature Transducer Production Value by Type (2021-2026) & (USD Million)

Table 51. World Pressure & Temperature Transducer Production Value by Type (2027-2032) & (USD Million)

Table 52. World Pressure & Temperature Transducer Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Pressure & Temperature Transducer Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Pressure & Temperature Transducer Production Value by Electrical Connection, (USD Million), 2021 & 2025 & 2032

Table 55. World Pressure & Temperature Transducer Production by Electrical Connection (2021-2026) & (M Units)

Table 56. World Pressure & Temperature Transducer Production by Electrical Connection (2027-2032) & (M Units)

Table 57. World Pressure & Temperature Transducer Production Value by Electrical Connection (2021-2026) & (USD Million)

Table 58. World Pressure & Temperature Transducer Production Value by Electrical Connection (2027-2032) & (USD Million)

Table 59. World Pressure & Temperature Transducer Average Price by Electrical

Connection (2021-2026) & (US\$/Unit)

Table 60. World Pressure & Temperature Transducer Average Price by Electrical Connection (2027-2032) & (US\$/Unit)

Table 61. World Pressure & Temperature Transducer Production Value by Shell Material, (USD Million), 2021 & 2025 & 2032

Table 62. World Pressure & Temperature Transducer Production by Shell Material (2021-2026) & (M Units)

Table 63. World Pressure & Temperature Transducer Production by Shell Material (2027-2032) & (M Units)

Table 64. World Pressure & Temperature Transducer Production Value by Shell Material (2021-2026) & (USD Million)

Table 65. World Pressure & Temperature Transducer Production Value by Shell Material (2027-2032) & (USD Million)

Table 66. World Pressure & Temperature Transducer Average Price by Shell Material (2021-2026) & (US\$/Unit)

Table 67. World Pressure & Temperature Transducer Average Price by Shell Material (2027-2032) & (US\$/Unit)

Table 68. World Pressure & Temperature Transducer Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Pressure & Temperature Transducer Production by Application (2021-2026) & (M Units)

Table 70. World Pressure & Temperature Transducer Production by Application (2027-2032) & (M Units)

Table 71. World Pressure & Temperature Transducer Production Value by Application (2021-2026) & (USD Million)

Table 72. World Pressure & Temperature Transducer Production Value by Application (2027-2032) & (USD Million)

Table 73. World Pressure & Temperature Transducer Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Pressure & Temperature Transducer Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Bosch Basic Information, Manufacturing Base and Competitors

Table 76. Bosch Major Business

Table 77. Bosch Pressure & Temperature Transducer Product and Services

Table 78. Bosch Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Bosch Recent Developments/Updates

Table 80. Bosch Competitive Strengths & Weaknesses

Table 81. Sensata Technologies Basic Information, Manufacturing Base and Competitors

Table 82. Sensata Technologies Major Business

Table 83. Sensata Technologies Pressure & Temperature Transducer Product and Services

Table 84. Sensata Technologies Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Sensata Technologies Recent Developments/Updates

Table 86. Sensata Technologies Competitive Strengths & Weaknesses

Table 87. TE Connectivity Basic Information, Manufacturing Base and Competitors

Table 88. TE Connectivity Major Business

Table 89. TE Connectivity Pressure & Temperature Transducer Product and Services

Table 90. TE Connectivity Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. TE Connectivity Recent Developments/Updates

Table 92. TE Connectivity Competitive Strengths & Weaknesses

Table 93. Hella Basic Information, Manufacturing Base and Competitors

Table 94. Hella Major Business

Table 95. Hella Pressure & Temperature Transducer Product and Services

Table 96. Hella Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Hella Recent Developments/Updates

Table 98. Hella Competitive Strengths & Weaknesses

Table 99. Kulite Basic Information, Manufacturing Base and Competitors

Table 100. Kulite Major Business

Table 101. Kulite Pressure & Temperature Transducer Product and Services

Table 102. Kulite Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Kulite Recent Developments/Updates

Table 104. Kulite Competitive Strengths & Weaknesses

Table 105. Shenzhen Ampron Technology Basic Information, Manufacturing Base and Competitors

Table 106. Shenzhen Ampron Technology Major Business

Table 107. Shenzhen Ampron Technology Pressure & Temperature Transducer Product and Services

Table 108. Shenzhen Ampron Technology Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Shenzhen Ampron Technology Recent Developments/Updates

Table 110. Shenzhen Ampron Technology Competitive Strengths & Weaknesses

Table 111. Gems Sensors Basic Information, Manufacturing Base and Competitors

Table 112. Gems Sensors Major Business

Table 113. Gems Sensors Pressure & Temperature Transducer Product and Services

Table 114. Gems Sensors Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Gems Sensors Recent Developments/Updates

Table 116. Gems Sensors Competitive Strengths & Weaknesses

Table 117. Variohm Basic Information, Manufacturing Base and Competitors

Table 118. Variohm Major Business

Table 119. Variohm Pressure & Temperature Transducer Product and Services

Table 120. Variohm Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Variohm Recent Developments/Updates

Table 122. Variohm Competitive Strengths & Weaknesses

Table 123. Stellar Technology Basic Information, Manufacturing Base and Competitors

Table 124. Stellar Technology Major Business

Table 125. Stellar Technology Pressure & Temperature Transducer Product and Services

Table 126. Stellar Technology Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Stellar Technology Recent Developments/Updates

Table 128. Stellar Technology Competitive Strengths & Weaknesses

Table 129. KA Sensors Ltd Basic Information, Manufacturing Base and Competitors

Table 130. KA Sensors Ltd Major Business

Table 131. KA Sensors Ltd Pressure & Temperature Transducer Product and Services

Table 132. KA Sensors Ltd Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. KA Sensors Ltd Recent Developments/Updates

Table 134. KA Sensors Ltd Competitive Strengths & Weaknesses

Table 135. Wuhan Huagong XingaoLi Electron Basic Information, Manufacturing Base

and Competitors

Table 136. Wuhan Huagong Xingaoli Electron Major Business

Table 137. Wuhan Huagong Xingaoli Electron Pressure & Temperature Transducer Product and Services

Table 138. Wuhan Huagong Xingaoli Electron Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Wuhan Huagong Xingaoli Electron Recent Developments/Updates

Table 140. Wuhan Huagong Xingaoli Electron Competitive Strengths & Weaknesses

Table 141. Piezo-Metrics Basic Information, Manufacturing Base and Competitors

Table 142. Piezo-Metrics Major Business

Table 143. Piezo-Metrics Pressure & Temperature Transducer Product and Services

Table 144. Piezo-Metrics Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Piezo-Metrics Recent Developments/Updates

Table 146. Piezo-Metrics Competitive Strengths & Weaknesses

Table 147. EMA Electronics Basic Information, Manufacturing Base and Competitors

Table 148. EMA Electronics Major Business

Table 149. EMA Electronics Pressure & Temperature Transducer Product and Services

Table 150. EMA Electronics Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. EMA Electronics Recent Developments/Updates

Table 152. EMA Electronics Competitive Strengths & Weaknesses

Table 153. Hydrotechnik UK Ltd Basic Information, Manufacturing Base and Competitors

Table 154. Hydrotechnik UK Ltd Major Business

Table 155. Hydrotechnik UK Ltd Pressure & Temperature Transducer Product and Services

Table 156. Hydrotechnik UK Ltd Pressure & Temperature Transducer Production (M Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Hydrotechnik UK Ltd Recent Developments/Updates

Table 158. Hydrotechnik UK Ltd Competitive Strengths & Weaknesses

Table 159. Global Key Players of Pressure & Temperature Transducer Upstream (Raw Materials)

Table 160. Global Pressure & Temperature Transducer Typical Customers

Table 161. Pressure & Temperature Transducer Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Pressure & Temperature Transducer Picture
- Figure 2. World Pressure & Temperature Transducer Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Pressure & Temperature Transducer Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Pressure & Temperature Transducer Production (2021-2032) & (M Units)
- Figure 5. World Pressure & Temperature Transducer Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World Pressure & Temperature Transducer Production Value Market Share by Region (2021-2032)
- Figure 7. World Pressure & Temperature Transducer Production Market Share by Region (2021-2032)
- Figure 8. North America Pressure & Temperature Transducer Production (2021-2032) & (M Units)
- Figure 9. Europe Pressure & Temperature Transducer Production (2021-2032) & (M Units)
- Figure 10. China Pressure & Temperature Transducer Production (2021-2032) & (M Units)
- Figure 11. Japan Pressure & Temperature Transducer Production (2021-2032) & (M Units)
- Figure 12. Pressure & Temperature Transducer Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Pressure & Temperature Transducer Consumption (2021-2032) & (M Units)
- Figure 15. World Pressure & Temperature Transducer Consumption Market Share by Region (2021-2032)
- Figure 16. United States Pressure & Temperature Transducer Consumption (2021-2032) & (M Units)
- Figure 17. China Pressure & Temperature Transducer Consumption (2021-2032) & (M Units)
- Figure 18. Europe Pressure & Temperature Transducer Consumption (2021-2032) & (M Units)
- Figure 19. Japan Pressure & Temperature Transducer Consumption (2021-2032) & (M Units)

Figure 20. South Korea Pressure & Temperature Transducer Consumption (2021-2032) & (M Units)

Figure 21. ASEAN Pressure & Temperature Transducer Consumption (2021-2032) & (M Units)

Figure 22. India Pressure & Temperature Transducer Consumption (2021-2032) & (M Units)

Figure 23. Producer Shipments of Pressure & Temperature Transducer by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Pressure & Temperature Transducer Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Pressure & Temperature Transducer Markets in 2025

Figure 26. United States VS China: Pressure & Temperature Transducer Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Pressure & Temperature Transducer Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Pressure & Temperature Transducer Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Pressure & Temperature Transducer Production Market Share 2025

Figure 30. China Based Manufacturers Pressure & Temperature Transducer Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Pressure & Temperature Transducer Production Market Share 2025

Figure 32. World Pressure & Temperature Transducer Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Pressure & Temperature Transducer Production Value Market Share by Type in 2025

Figure 34. Embedded Installation

Figure 35. Thread Installation

Figure 36. World Pressure & Temperature Transducer Production Market Share by Type (2021-2032)

Figure 37. World Pressure & Temperature Transducer Production Value Market Share by Type (2021-2032)

Figure 38. World Pressure & Temperature Transducer Average Price by Type (2021-2032) & (US\$/Unit)

Figure 39. World Pressure & Temperature Transducer Production Value by Electrical Connection, (USD Million), 2021 & 2025 & 2032

Figure 40. World Pressure & Temperature Transducer Production Value Market Share

by Electrical Connection in 2025

Figure 41. Straight Out Cable

Figure 42. Hirschmann Joint

Figure 43. Others

Figure 44. World Pressure & Temperature Transducer Production Market Share by Electrical Connection (2021-2032)

Figure 45. World Pressure & Temperature Transducer Production Value Market Share by Electrical Connection (2021-2032)

Figure 46. World Pressure & Temperature Transducer Average Price by Electrical Connection (2021-2032) & (US\$/Unit)

Figure 47. World Pressure & Temperature Transducer Production Value by Shell Material, (USD Million), 2021 & 2025 & 2032

Figure 48. World Pressure & Temperature Transducer Production Value Market Share by Shell Material in 2025

Figure 49. 304 Stainless Steel

Figure 50. 316 Stainless Steel

Figure 51. World Pressure & Temperature Transducer Production Market Share by Shell Material (2021-2032)

Figure 52. World Pressure & Temperature Transducer Production Value Market Share by Shell Material (2021-2032)

Figure 53. World Pressure & Temperature Transducer Average Price by Shell Material (2021-2032) & (US\$/Unit)

Figure 54. World Pressure & Temperature Transducer Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 55. World Pressure & Temperature Transducer Production Value Market Share by Application in 2025

Figure 56. Automobile

Figure 57. Internet Of Things

Figure 58. Industrial

Figure 59. Oil and Gas Transportation

Figure 60. Medical Instruments

Figure 61. Others

Figure 62. World Pressure & Temperature Transducer Production Market Share by Application (2021-2032)

Figure 63. World Pressure & Temperature Transducer Production Value Market Share by Application (2021-2032)

Figure 64. World Pressure & Temperature Transducer Average Price by Application (2021-2032) & (US\$/Unit)

Figure 65. Pressure & Temperature Transducer Industry Chain

Figure 66. Pressure & Temperature Transducer Procurement Model

Figure 67. Pressure & Temperature Transducer Sales Model

Figure 68. Pressure & Temperature Transducer Sales Channels, Direct Sales, and Distribution

Figure 69. Methodology

Figure 70. Research Process and Data Source

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