

Global Battery Thermal Runaway Pressure Sensor Market Research Report 2026(Status and Outlook)

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Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on Battery Thermal Runaway Pressure Sensor competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. A Battery Thermal Runaway Pressure Sensor is a specialized safety component designed to detect abnormal internal pressure buildup within a battery pack ? a key early indicator of thermal runaway in lithium-ion battery systems. It plays a critical role in preventing fire, explosion, or catastrophic failure by enabling early intervention through the Battery Management System (BMS).

The global Battery Thermal Runaway Pressure Sensor market size was estimated at USD 525.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 11.60% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Battery Thermal Runaway Pressure Sensor market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Battery

Thermal Runaway Pressure Sensor market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Battery Thermal Runaway Pressure Sensor market.

Global Battery Thermal Runaway Pressure Sensor Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Honeywell
NXP
Valeo
Cubic Sensor and Instrument
Drksir
Schaeffler AG
JTH
Winsensor
Ruikong
Nexceris
Infineon Technologies
Innovaer Technologies

Fosen Electronics

Market Segmentation (by Type)

Pressure Switch Type
MEMS Pressure Sensor

Market Segmentation (by Application)

New Energy Vehicles
Energy Storage Power Station
Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Battery Thermal Runaway Pressure Sensor Market
Overview of the regional outlook of the Battery Thermal Runaway Pressure Sensor Market:

Customization of the Report

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an 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 Battery Thermal Runaway Pressure Sensor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the 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 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to 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 8 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 capacity of each country in the world.

Chapter 9 shares the main producing countries of Battery Thermal Runaway Pressure Sensor, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each

region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Battery Thermal Runaway Pressure Sensor
- 1.2 Key Market Segments
 - 1.2.1 Battery Thermal Runaway Pressure Sensor Segment by Type
 - 1.2.2 Battery Thermal Runaway Pressure Sensor Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 BATTERY THERMAL RUNAWAY PRESSURE SENSOR MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Battery Thermal Runaway Pressure Sensor Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global Battery Thermal Runaway Pressure Sensor Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 BATTERY THERMAL RUNAWAY PRESSURE SENSOR MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Battery Thermal Runaway Pressure Sensor Product Life Cycle
- 3.3 Global Battery Thermal Runaway Pressure Sensor Sales by Manufacturers (2020-2025)
- 3.4 Global Battery Thermal Runaway Pressure Sensor Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Battery Thermal Runaway Pressure Sensor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Battery Thermal Runaway Pressure Sensor Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
3.8 Battery Thermal Runaway Pressure Sensor Market Competitive Situation and Trends

3.8.1 Battery Thermal Runaway Pressure Sensor Market Concentration Rate

3.8.2 Global 5 and 10 Largest Battery Thermal Runaway Pressure Sensor Players
Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 BATTERY THERMAL RUNAWAY PRESSURE SENSOR INDUSTRY CHAIN ANALYSIS

4.1 Battery Thermal Runaway Pressure Sensor Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF BATTERY THERMAL RUNAWAY PRESSURE SENSOR MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Battery Thermal Runaway Pressure Sensor Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Battery Thermal Runaway Pressure Sensor Market

5.7 ESG Ratings of Leading Companies

6 BATTERY THERMAL RUNAWAY PRESSURE SENSOR MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Battery Thermal Runaway Pressure Sensor Sales Market Share by Type (2020-2025)
- 6.3 Global Battery Thermal Runaway Pressure Sensor Market Size by Type (2020-2025)
- 6.4 Global Battery Thermal Runaway Pressure Sensor Price by Type (2020-2025)

7 BATTERY THERMAL RUNAWAY PRESSURE SENSOR MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Battery Thermal Runaway Pressure Sensor Market Sales by Application (2020-2025)
- 7.3 Global Battery Thermal Runaway Pressure Sensor Market Size (M USD) by Application (2020-2025)
- 7.4 Global Battery Thermal Runaway Pressure Sensor Sales Growth Rate by Application (2020-2025)

8 BATTERY THERMAL RUNAWAY PRESSURE SENSOR MARKET SALES BY REGION

- 8.1 Global Battery Thermal Runaway Pressure Sensor Sales by Region
 - 8.1.1 Global Battery Thermal Runaway Pressure Sensor Sales by Region
 - 8.1.2 Global Battery Thermal Runaway Pressure Sensor Sales Market Share by Region
- 8.2 Global Battery Thermal Runaway Pressure Sensor Market Size by Region
 - 8.2.1 Global Battery Thermal Runaway Pressure Sensor Market Size by Region
 - 8.2.2 Global Battery Thermal Runaway Pressure Sensor Market Size by Region
- 8.3 North America
 - 8.3.1 North America Battery Thermal Runaway Pressure Sensor Sales by Country
 - 8.3.2 North America Battery Thermal Runaway Pressure Sensor Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview

8.4 Europe

- 8.4.1 Europe Battery Thermal Runaway Pressure Sensor Sales by Country
- 8.4.2 Europe Battery Thermal Runaway Pressure Sensor Market Size by Country
- 8.4.3 Germany Market Overview
- 8.4.4 France Market Overview
- 8.4.5 U.K. Market Overview
- 8.4.6 Italy Market Overview
- 8.4.7 Spain Market Overview

8.5 Asia Pacific

- 8.5.1 Asia Pacific Battery Thermal Runaway Pressure Sensor Sales by Region
- 8.5.2 Asia Pacific Battery Thermal Runaway Pressure Sensor Market Size by Region
- 8.5.3 China Market Overview
- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview

8.6 South America

- 8.6.1 South America Battery Thermal Runaway Pressure Sensor Sales by Country
- 8.6.2 South America Battery Thermal Runaway Pressure Sensor Market Size by Country
- 8.6.3 Brazil Market Overview
- 8.6.4 Argentina Market Overview
- 8.6.5 Columbia Market Overview

8.7 Middle East and Africa

- 8.7.1 Middle East and Africa Battery Thermal Runaway Pressure Sensor Sales by Region
- 8.7.2 Middle East and Africa Battery Thermal Runaway Pressure Sensor Market Size by Region
- 8.7.3 Saudi Arabia Market Overview
- 8.7.4 UAE Market Overview
- 8.7.5 Egypt Market Overview
- 8.7.6 Nigeria Market Overview
- 8.7.7 South Africa Market Overview

9 BATTERY THERMAL RUNAWAY PRESSURE SENSOR MARKET PRODUCTION BY REGION

9.1 Global Production of Battery Thermal Runaway Pressure Sensor by Region(2020-2025)

9.2 Global Battery Thermal Runaway Pressure Sensor Revenue Market Share by Region (2020-2025)

9.3 Global Battery Thermal Runaway Pressure Sensor Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Battery Thermal Runaway Pressure Sensor Production

9.4.1 North America Battery Thermal Runaway Pressure Sensor Production Growth Rate (2020-2025)

9.4.2 North America Battery Thermal Runaway Pressure Sensor Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Battery Thermal Runaway Pressure Sensor Production

9.5.1 Europe Battery Thermal Runaway Pressure Sensor Production Growth Rate (2020-2025)

9.5.2 Europe Battery Thermal Runaway Pressure Sensor Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Battery Thermal Runaway Pressure Sensor Production (2020-2025)

9.6.1 Japan Battery Thermal Runaway Pressure Sensor Production Growth Rate (2020-2025)

9.6.2 Japan Battery Thermal Runaway Pressure Sensor Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Battery Thermal Runaway Pressure Sensor Production (2020-2025)

9.7.1 China Battery Thermal Runaway Pressure Sensor Production Growth Rate (2020-2025)

9.7.2 China Battery Thermal Runaway Pressure Sensor Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Honeywell

10.1.1 Honeywell Basic Information

10.1.2 Honeywell Battery Thermal Runaway Pressure Sensor Product Overview

10.1.3 Honeywell Battery Thermal Runaway Pressure Sensor Product Market Performance

10.1.4 Honeywell Business Overview

10.1.5 Honeywell SWOT Analysis

10.1.6 Honeywell Recent Developments

10.2 NXP

10.2.1 NXP Basic Information

10.2.2 NXP Battery Thermal Runaway Pressure Sensor Product Overview

10.2.3 NXP Battery Thermal Runaway Pressure Sensor Product Market Performance

- 10.2.4 NXP Business Overview
- 10.2.5 NXP SWOT Analysis
- 10.2.6 NXP Recent Developments
- 10.3 Valeo
 - 10.3.1 Valeo Basic Information
 - 10.3.2 Valeo Battery Thermal Runaway Pressure Sensor Product Overview
 - 10.3.3 Valeo Battery Thermal Runaway Pressure Sensor Product Market Performance
 - 10.3.4 Valeo Business Overview
 - 10.3.5 Valeo SWOT Analysis
 - 10.3.6 Valeo Recent Developments
- 10.4 Cubic Sensor and Instrument
 - 10.4.1 Cubic Sensor and Instrument Basic Information
 - 10.4.2 Cubic Sensor and Instrument Battery Thermal Runaway Pressure Sensor Product Overview
 - 10.4.3 Cubic Sensor and Instrument Battery Thermal Runaway Pressure Sensor Product Market Performance
 - 10.4.4 Cubic Sensor and Instrument Business Overview
 - 10.4.5 Cubic Sensor and Instrument Recent Developments
- 10.5 Drksir
 - 10.5.1 Drksir Basic Information
 - 10.5.2 Drksir Battery Thermal Runaway Pressure Sensor Product Overview
 - 10.5.3 Drksir Battery Thermal Runaway Pressure Sensor Product Market Performance
 - 10.5.4 Drksir Business Overview
 - 10.5.5 Drksir Recent Developments
- 10.6 Schaeffler AG
 - 10.6.1 Schaeffler AG Basic Information
 - 10.6.2 Schaeffler AG Battery Thermal Runaway Pressure Sensor Product Overview
 - 10.6.3 Schaeffler AG Battery Thermal Runaway Pressure Sensor Product Market Performance
 - 10.6.4 Schaeffler AG Business Overview
 - 10.6.5 Schaeffler AG Recent Developments
- 10.7 JTH
 - 10.7.1 JTH Basic Information
 - 10.7.2 JTH Battery Thermal Runaway Pressure Sensor Product Overview
 - 10.7.3 JTH Battery Thermal Runaway Pressure Sensor Product Market Performance
 - 10.7.4 JTH Business Overview
 - 10.7.5 JTH Recent Developments
- 10.8 Winsensor
 - 10.8.1 Winsensor Basic Information

- 10.8.2 Winsensor Battery Thermal Runaway Pressure Sensor Product Overview
- 10.8.3 Winsensor Battery Thermal Runaway Pressure Sensor Product Market Performance
- 10.8.4 Winsensor Business Overview
- 10.8.5 Winsensor Recent Developments
- 10.9 Ruikong
 - 10.9.1 Ruikong Basic Information
 - 10.9.2 Ruikong Battery Thermal Runaway Pressure Sensor Product Overview
 - 10.9.3 Ruikong Battery Thermal Runaway Pressure Sensor Product Market Performance
 - 10.9.4 Ruikong Business Overview
 - 10.9.5 Ruikong Recent Developments
- 10.10 Nexceris
 - 10.10.1 Nexceris Basic Information
 - 10.10.2 Nexceris Battery Thermal Runaway Pressure Sensor Product Overview
 - 10.10.3 Nexceris Battery Thermal Runaway Pressure Sensor Product Market Performance
 - 10.10.4 Nexceris Business Overview
 - 10.10.5 Nexceris Recent Developments
- 10.11 Infineon Technologies
 - 10.11.1 Infineon Technologies Basic Information
 - 10.11.2 Infineon Technologies Battery Thermal Runaway Pressure Sensor Product Overview
 - 10.11.3 Infineon Technologies Battery Thermal Runaway Pressure Sensor Product Market Performance
 - 10.11.4 Infineon Technologies Business Overview
 - 10.11.5 Infineon Technologies Recent Developments
- 10.12 Innovaer Technologies
 - 10.12.1 Innovaer Technologies Basic Information
 - 10.12.2 Innovaer Technologies Battery Thermal Runaway Pressure Sensor Product Overview
 - 10.12.3 Innovaer Technologies Battery Thermal Runaway Pressure Sensor Product Market Performance
 - 10.12.4 Innovaer Technologies Business Overview
 - 10.12.5 Innovaer Technologies Recent Developments
- 10.13 Fosen Electronics
 - 10.13.1 Fosen Electronics Basic Information
 - 10.13.2 Fosen Electronics Battery Thermal Runaway Pressure Sensor Product Overview

10.13.3 Fosen Electronics Battery Thermal Runaway Pressure Sensor Product Market Performance

10.13.4 Fosen Electronics Business Overview

10.13.5 Fosen Electronics Recent Developments

11 BATTERY THERMAL RUNAWAY PRESSURE SENSOR MARKET FORECAST BY REGION

11.1 Global Battery Thermal Runaway Pressure Sensor Market Size Forecast

11.2 Global Battery Thermal Runaway Pressure Sensor Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Battery Thermal Runaway Pressure Sensor Market Size Forecast by Country

11.2.3 Asia Pacific Battery Thermal Runaway Pressure Sensor Market Size Forecast by Region

11.2.4 South America Battery Thermal Runaway Pressure Sensor Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Battery Thermal Runaway Pressure Sensor by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Battery Thermal Runaway Pressure Sensor Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Battery Thermal Runaway Pressure Sensor by Type (2026-2035)

12.1.2 Global Battery Thermal Runaway Pressure Sensor Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Battery Thermal Runaway Pressure Sensor by Type (2026-2035)

12.2 Global Battery Thermal Runaway Pressure Sensor Market Forecast by Application (2026-2035)

12.2.1 Global Battery Thermal Runaway Pressure Sensor Sales (K Units) Forecast by Application

12.2.2 Global Battery Thermal Runaway Pressure Sensor Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Battery Thermal Runaway Pressure Sensor Market Size by Type (M USD)

Table 4. Global Battery Thermal Runaway Pressure Sensor Market Size by Application

Table 5. Battery Thermal Runaway Pressure Sensor Market Size Comparison by Region (M USD)

Table 6. Global Battery Thermal Runaway Pressure Sensor Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global Battery Thermal Runaway Pressure Sensor Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Battery Thermal Runaway Pressure Sensor Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Battery Thermal Runaway Pressure Sensor Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Battery Thermal Runaway Pressure Sensor as of 2025)

Table 11. Global Market Battery Thermal Runaway Pressure Sensor Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Battery Thermal Runaway Pressure Sensor Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Battery Thermal Runaway Pressure Sensor Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global Battery Thermal Runaway Pressure Sensor Sales by Type (K Units)

Table 27. Global Battery Thermal Runaway Pressure Sensor Market Size by Type (M USD)

Table 28. Global Battery Thermal Runaway Pressure Sensor Sales (K Units) by Type (2020-2025)

Table 29. Global Battery Thermal Runaway Pressure Sensor Sales Market Share by Type (2020-2025)

Table 30. Global Battery Thermal Runaway Pressure Sensor Market Size (M USD) by Type (2020-2025)

Table 31. Global Battery Thermal Runaway Pressure Sensor Market Share by Type (2020-2025)

Table 32. Global Battery Thermal Runaway Pressure Sensor Price (USD/Unit) by Type (2020-2025)

Table 33. Global Battery Thermal Runaway Pressure Sensor Sales (K Units) by Application

Table 34. Global Battery Thermal Runaway Pressure Sensor Market Size by Application

Table 35. Global Battery Thermal Runaway Pressure Sensor Sales by Application (2020-2025) & (K Units)

Table 36. Global Battery Thermal Runaway Pressure Sensor Sales Market Share by Application (2020-2025)

Table 37. Global Battery Thermal Runaway Pressure Sensor Market Size by Application (2020-2025) & (M USD)

Table 38. Global Battery Thermal Runaway Pressure Sensor Market Share by Application (2020-2025)

Table 39. Global Battery Thermal Runaway Pressure Sensor Sales Growth Rate by Application (2020-2025)

Table 40. Global Battery Thermal Runaway Pressure Sensor Sales by Region (2020-2025) & (K Units)

Table 41. Global Battery Thermal Runaway Pressure Sensor Sales Market Share by Region (2020-2025)

Table 42. Global Battery Thermal Runaway Pressure Sensor Market Size by Region (2020-2025) & (M USD)

Table 43. Global Battery Thermal Runaway Pressure Sensor Market Size by Region (2020-2025)

Table 44. North America Battery Thermal Runaway Pressure Sensor Sales by Country (2020-2025) & (K Units)

Table 45. North America Battery Thermal Runaway Pressure Sensor Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Battery Thermal Runaway Pressure Sensor Sales by Country

(2020-2025) & (K Units)

Table 47. Europe Battery Thermal Runaway Pressure Sensor Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Battery Thermal Runaway Pressure Sensor Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific Battery Thermal Runaway Pressure Sensor Market Size by Region (2020-2025) & (M USD)

Table 50. South America Battery Thermal Runaway Pressure Sensor Sales by Country (2020-2025) & (K Units)

Table 51. South America Battery Thermal Runaway Pressure Sensor Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Battery Thermal Runaway Pressure Sensor Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa Battery Thermal Runaway Pressure Sensor Market Size by Region (2020-2025) & (M USD)

Table 54. Global Battery Thermal Runaway Pressure Sensor Production (K Units) by Region(2020-2025)

Table 55. Global Battery Thermal Runaway Pressure Sensor Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Battery Thermal Runaway Pressure Sensor Revenue Market Share by Region (2020-2025)

Table 57. Global Battery Thermal Runaway Pressure Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America Battery Thermal Runaway Pressure Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe Battery Thermal Runaway Pressure Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan Battery Thermal Runaway Pressure Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China Battery Thermal Runaway Pressure Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. Honeywell Basic Information

Table 63. Honeywell Battery Thermal Runaway Pressure Sensor Product Overview

Table 64. Honeywell Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. Honeywell Business Overview

Table 66. Honeywell SWOT Analysis

Table 67. Honeywell Recent Developments

Table 68. NXP Basic Information

- Table 69. NXP Battery Thermal Runaway Pressure Sensor Product Overview
- Table 70. NXP Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 71. NXP Business Overview
- Table 72. NXP SWOT Analysis
- Table 73. NXP Recent Developments
- Table 74. Valeo Basic Information
- Table 75. Valeo Battery Thermal Runaway Pressure Sensor Product Overview
- Table 76. Valeo Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 77. Valeo Business Overview
- Table 78. Valeo SWOT Analysis
- Table 79. Valeo Recent Developments
- Table 80. Cubic Sensor and Instrument Basic Information
- Table 81. Cubic Sensor and Instrument Battery Thermal Runaway Pressure Sensor Product Overview
- Table 82. Cubic Sensor and Instrument Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 83. Cubic Sensor and Instrument Business Overview
- Table 84. Cubic Sensor and Instrument Recent Developments
- Table 85. Drksir Basic Information
- Table 86. Drksir Battery Thermal Runaway Pressure Sensor Product Overview
- Table 87. Drksir Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 88. Drksir Business Overview
- Table 89. Drksir Recent Developments
- Table 90. Schaeffler AG Basic Information
- Table 91. Schaeffler AG Battery Thermal Runaway Pressure Sensor Product Overview
- Table 92. Schaeffler AG Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 93. Schaeffler AG Business Overview
- Table 94. Schaeffler AG Recent Developments
- Table 95. JTH Basic Information
- Table 96. JTH Battery Thermal Runaway Pressure Sensor Product Overview
- Table 97. JTH Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 98. JTH Business Overview
- Table 99. JTH Recent Developments
- Table 100. Winsensor Basic Information

Table 101. Winsensor Battery Thermal Runaway Pressure Sensor Product Overview

Table 102. Winsensor Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 103. Winsensor Business Overview

Table 104. Winsensor Recent Developments

Table 105. Ruikong Basic Information

Table 106. Ruikong Battery Thermal Runaway Pressure Sensor Product Overview

Table 107. Ruikong Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. Ruikong Business Overview

Table 109. Ruikong Recent Developments

Table 110. Nexceris Basic Information

Table 111. Nexceris Battery Thermal Runaway Pressure Sensor Product Overview

Table 112. Nexceris Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. Nexceris Business Overview

Table 114. Nexceris Recent Developments

Table 115. Infineon Technologies Basic Information

Table 116. Infineon Technologies Battery Thermal Runaway Pressure Sensor Product Overview

Table 117. Infineon Technologies Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 118. Infineon Technologies Business Overview

Table 119. Infineon Technologies Recent Developments

Table 120. Innovaer Technologies Basic Information

Table 121. Innovaer Technologies Battery Thermal Runaway Pressure Sensor Product Overview

Table 122. Innovaer Technologies Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 123. Innovaer Technologies Business Overview

Table 124. Innovaer Technologies Recent Developments

Table 125. Fosen Electronics Basic Information

Table 126. Fosen Electronics Battery Thermal Runaway Pressure Sensor Product Overview

Table 127. Fosen Electronics Battery Thermal Runaway Pressure Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 128. Fosen Electronics Business Overview

Table 129. Fosen Electronics Recent Developments

Table 130. Global Battery Thermal Runaway Pressure Sensor Sales Forecast by

Region (2026-2035) & (K Units)

Table 131. Global Battery Thermal Runaway Pressure Sensor Market Size Forecast by Region (2026-2035) & (M USD)

Table 132. North America Battery Thermal Runaway Pressure Sensor Sales Forecast by Country (2026-2035) & (K Units)

Table 133. North America Battery Thermal Runaway Pressure Sensor Market Size Forecast by Country (2026-2035) & (M USD)

Table 134. Europe Battery Thermal Runaway Pressure Sensor Sales Forecast by Country (2026-2035) & (K Units)

Table 135. Europe Battery Thermal Runaway Pressure Sensor Market Size Forecast by Country (2026-2035) & (M USD)

Table 136. Asia Pacific Battery Thermal Runaway Pressure Sensor Sales Forecast by Region (2026-2035) & (K Units)

Table 137. Asia Pacific Battery Thermal Runaway Pressure Sensor Market Size Forecast by Region (2026-2035) & (M USD)

Table 138. South America Battery Thermal Runaway Pressure Sensor Sales Forecast by Country (2026-2035) & (K Units)

Table 139. South America Battery Thermal Runaway Pressure Sensor Market Size Forecast by Country (2026-2035) & (M USD)

Table 140. Middle East and Africa Battery Thermal Runaway Pressure Sensor Sales Forecast by Country (2026-2035) & (Units)

Table 141. Middle East and Africa Battery Thermal Runaway Pressure Sensor Market Size Forecast by Country (2026-2035) & (M USD)

Table 142. Global Battery Thermal Runaway Pressure Sensor Sales Forecast by Type (2026-2035) & (K Units)

Table 143. Global Battery Thermal Runaway Pressure Sensor Market Size Forecast by Type (2026-2035) & (M USD)

Table 144. Global Battery Thermal Runaway Pressure Sensor Price Forecast by Type (2026-2035) & (USD/Unit)

Table 145. Global Battery Thermal Runaway Pressure Sensor Sales (K Units) Forecast by Application (2026-2035)

Table 146. Global Battery Thermal Runaway Pressure Sensor Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Battery Thermal Runaway Pressure Sensor
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Battery Thermal Runaway Pressure Sensor Market Size (M USD), 2025-2035
- Figure 5. Global Battery Thermal Runaway Pressure Sensor Market Size (M USD) (2020-2035)
- Figure 6. Global Battery Thermal Runaway Pressure Sensor Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Battery Thermal Runaway Pressure Sensor Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Battery Thermal Runaway Pressure Sensor Product Life Cycle
- Figure 13. Battery Thermal Runaway Pressure Sensor Sales Share by Manufacturers in 2025
- Figure 14. Global Battery Thermal Runaway Pressure Sensor Revenue Share by Manufacturers in 2025
- Figure 15. Battery Thermal Runaway Pressure Sensor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Battery Thermal Runaway Pressure Sensor Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Battery Thermal Runaway Pressure Sensor Revenue in 2025
- Figure 18. Industry Chain Map of Battery Thermal Runaway Pressure Sensor
- Figure 19. Global Battery Thermal Runaway Pressure Sensor Market PEST Analysis
- Figure 20. Global Battery Thermal Runaway Pressure Sensor Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Battery Thermal Runaway Pressure Sensor Market Share by Type

Figure 27. Sales Market Share of Battery Thermal Runaway Pressure Sensor by Type (2020-2025)

Figure 28. Sales Market Share of Battery Thermal Runaway Pressure Sensor by Type in 2025

Figure 29. Market Share of Battery Thermal Runaway Pressure Sensor by Type (2020-2025)

Figure 30. Market Share of Battery Thermal Runaway Pressure Sensor by Type in 2025

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Battery Thermal Runaway Pressure Sensor Market Share by Application

Figure 33. Global Battery Thermal Runaway Pressure Sensor Sales Market Share by Application (2020-2025)

Figure 34. Global Battery Thermal Runaway Pressure Sensor Sales Market Share by Application in 2025

Figure 35. Global Battery Thermal Runaway Pressure Sensor Market Share by Application (2020-2025)

Figure 36. Global Battery Thermal Runaway Pressure Sensor Market Share by Application in 2025

Figure 37. Global Battery Thermal Runaway Pressure Sensor Sales Growth Rate by Application (2020-2025)

Figure 38. Global Battery Thermal Runaway Pressure Sensor Sales Market Share by Region (2020-2025)

Figure 39. Global Battery Thermal Runaway Pressure Sensor Market Size by Region (2020-2025)

Figure 40. North America Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Battery Thermal Runaway Pressure Sensor Sales Market Share by Country in 2024

Figure 43. North America Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Battery Thermal Runaway Pressure Sensor Market Size by Country in 2024

Figure 45. U.S. Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Battery Thermal Runaway Pressure Sensor Sales (K Units) and

Growth Rate (2020-2025)

Figure 48. Canada Battery Thermal Runaway Pressure Sensor Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Battery Thermal Runaway Pressure Sensor Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Battery Thermal Runaway Pressure Sensor Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Battery Thermal Runaway Pressure Sensor Sales Market Share by Country in 2024

Figure 53. Europe Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Battery Thermal Runaway Pressure Sensor Market Size by Country in 2024

Figure 55. Germany Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Battery Thermal Runaway Pressure Sensor Sales Market Share by Region in 2024

Figure 67. Asia Pacific Battery Thermal Runaway Pressure Sensor Market Size by Region in 2024

Figure 68. China Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (K Units)

Figure 79. South America Battery Thermal Runaway Pressure Sensor Sales Market Share by Country in 2024

Figure 80. South America Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (M USD)

Figure 81. South America Battery Thermal Runaway Pressure Sensor Market Size by Country in 2024

Figure 82. Brazil Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Battery Thermal Runaway Pressure Sensor Sales and Growth

Rate (2020-2025) & (K Units)

Figure 87. Columbia Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Battery Thermal Runaway Pressure Sensor Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Battery Thermal Runaway Pressure Sensor Market Size by Region in 2024

Figure 92. Saudi Arabia Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Battery Thermal Runaway Pressure Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Battery Thermal Runaway Pressure Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Battery Thermal Runaway Pressure Sensor Production Market Share by Region (2020-2025)

Figure 103. North America Battery Thermal Runaway Pressure Sensor Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Battery Thermal Runaway Pressure Sensor Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Battery Thermal Runaway Pressure Sensor Production (K Units) Growth Rate (2020-2025)

Figure 106. China Battery Thermal Runaway Pressure Sensor Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Battery Thermal Runaway Pressure Sensor Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Battery Thermal Runaway Pressure Sensor Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Battery Thermal Runaway Pressure Sensor Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Battery Thermal Runaway Pressure Sensor Market Share Forecast by Type (2026-2035)

Figure 111. Global Battery Thermal Runaway Pressure Sensor Sales Forecast by Application (2026-2035)

Figure 112. Global Battery Thermal Runaway Pressure Sensor Market Share Forecast by Application (2026-2035)

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