

# **Global Thermopile Gas Sensor Detectors Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029**

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## **Abstracts**

According to our (Global Info Research) latest study, the global Thermopile Gas Sensor Detectors market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Thermopile gas sensor detectors are a type of gas sensor that works based on the Seebeck effect. The Seebeck effect occurs when two different metals are connected in a circuit, and a temperature difference is applied across them, causing a voltage difference to appear between the metals. When a gas molecule absorbs infrared radiation, it causes a change in the temperature of the sensing element, which then generates a voltage difference that can be measured and correlated to the concentration of the gas.

This report is a detailed and comprehensive analysis for global Thermopile Gas Sensor Detectors market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

### **Key Features:**

Global Thermopile Gas Sensor Detectors market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit),

2018-2029

Global Thermopile Gas Sensor Detectors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Thermopile Gas Sensor Detectors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Thermopile Gas Sensor Detectors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Thermopile Gas Sensor Detectors

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Thermopile Gas Sensor Detectors 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 Renesas Technology, Melexis Microelectronic, Amphenol Advanced Sensors, General Electric Company and Roithner LaserTechnik, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Thermopile Gas Sensor Detectors market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche

markets.

#### Market segment by Type

Fixed

Portable

#### Market segment by Application

Residential and Commercial Safety

Industrial Safety

Environmental Monitoring

Food Safety

Medical Applications

Others

#### Major players covered

Renesas Technology

Melexis Microelectronic

Amphenol Advanced Sensors

General Electric Company

Roithner LaserTechnik

Texas Instruments

Integrated Device Technology

PerkinElmer Optoelectronics

Hamamatsu

Figaro Engineering

SGX Sensortech

Honeywell Analytics

Dynament

Winsen Electronics

Hanwei

Novosense

Simic Holdings

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Thermopile Gas Sensor Detectors product scope, market

*Global Thermopile Gas Sensor Detectors Market 2023 by Manufacturers, Regions, Type and Application, Forecast t...*

overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Thermopile Gas Sensor Detectors, with price, sales, revenue and global market share of Thermopile Gas Sensor Detectors from 2018 to 2023.

Chapter 3, the Thermopile Gas Sensor Detectors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Thermopile Gas Sensor Detectors breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Thermopile Gas Sensor Detectors market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Thermopile Gas Sensor Detectors.

Chapter 14 and 15, to describe Thermopile Gas Sensor Detectors sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Thermopile Gas Sensor Detectors
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Thermopile Gas Sensor Detectors Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Fixed
  - 1.3.3 Portable
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Thermopile Gas Sensor Detectors Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Residential and Commercial Safety
  - 1.4.3 Industrial Safety
  - 1.4.4 Environmental Monitoring
  - 1.4.5 Food Safety
  - 1.4.6 Medical Applications
  - 1.4.7 Others
- 1.5 Global Thermopile Gas Sensor Detectors Market Size & Forecast
  - 1.5.1 Global Thermopile Gas Sensor Detectors Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Thermopile Gas Sensor Detectors Sales Quantity (2018-2029)
  - 1.5.3 Global Thermopile Gas Sensor Detectors Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 Renesas Technology
  - 2.1.1 Renesas Technology Details
  - 2.1.2 Renesas Technology Major Business
  - 2.1.3 Renesas Technology Thermopile Gas Sensor Detectors Product and Services
  - 2.1.4 Renesas Technology Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 Renesas Technology Recent Developments/Updates
- 2.2 Melexis Microelectronic
  - 2.2.1 Melexis Microelectronic Details
  - 2.2.2 Melexis Microelectronic Major Business
  - 2.2.3 Melexis Microelectronic Thermopile Gas Sensor Detectors Product and Services

2.2.4 Melexis Microelectronic Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.2.5 Melexis Microelectronic Recent Developments/Updates

2.3 Amphenol Advanced Sensors

2.3.1 Amphenol Advanced Sensors Details

2.3.2 Amphenol Advanced Sensors Major Business

2.3.3 Amphenol Advanced Sensors Thermopile Gas Sensor Detectors Product and Services

2.3.4 Amphenol Advanced Sensors Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.3.5 Amphenol Advanced Sensors Recent Developments/Updates

2.4 General Electric Company

2.4.1 General Electric Company Details

2.4.2 General Electric Company Major Business

2.4.3 General Electric Company Thermopile Gas Sensor Detectors Product and Services

2.4.4 General Electric Company Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.4.5 General Electric Company Recent Developments/Updates

2.5 Roithner LaserTechnik

2.5.1 Roithner LaserTechnik Details

2.5.2 Roithner LaserTechnik Major Business

2.5.3 Roithner LaserTechnik Thermopile Gas Sensor Detectors Product and Services

2.5.4 Roithner LaserTechnik Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.5.5 Roithner LaserTechnik Recent Developments/Updates

2.6 Texas Instruments

2.6.1 Texas Instruments Details

2.6.2 Texas Instruments Major Business

2.6.3 Texas Instruments Thermopile Gas Sensor Detectors Product and Services

2.6.4 Texas Instruments Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.6.5 Texas Instruments Recent Developments/Updates

2.7 Integrated Device Technology

2.7.1 Integrated Device Technology Details

2.7.2 Integrated Device Technology Major Business

2.7.3 Integrated Device Technology Thermopile Gas Sensor Detectors Product and Services

2.7.4 Integrated Device Technology Thermopile Gas Sensor Detectors Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 Integrated Device Technology Recent Developments/Updates

2.8 PerkinElmer Optoelectronics

2.8.1 PerkinElmer Optoelectronics Details

2.8.2 PerkinElmer Optoelectronics Major Business

2.8.3 PerkinElmer Optoelectronics Thermopile Gas Sensor Detectors Product and Services

2.8.4 PerkinElmer Optoelectronics Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 PerkinElmer Optoelectronics Recent Developments/Updates

2.9 Hamamatsu

2.9.1 Hamamatsu Details

2.9.2 Hamamatsu Major Business

2.9.3 Hamamatsu Thermopile Gas Sensor Detectors Product and Services

2.9.4 Hamamatsu Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 Hamamatsu Recent Developments/Updates

2.10 Figaro Engineering

2.10.1 Figaro Engineering Details

2.10.2 Figaro Engineering Major Business

2.10.3 Figaro Engineering Thermopile Gas Sensor Detectors Product and Services

2.10.4 Figaro Engineering Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 Figaro Engineering Recent Developments/Updates

2.11 SGX Sensortech

2.11.1 SGX Sensortech Details

2.11.2 SGX Sensortech Major Business

2.11.3 SGX Sensortech Thermopile Gas Sensor Detectors Product and Services

2.11.4 SGX Sensortech Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 SGX Sensortech Recent Developments/Updates

2.12 Honeywell Analytics

2.12.1 Honeywell Analytics Details

2.12.2 Honeywell Analytics Major Business

2.12.3 Honeywell Analytics Thermopile Gas Sensor Detectors Product and Services

2.12.4 Honeywell Analytics Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.12.5 Honeywell Analytics Recent Developments/Updates

2.13 Dynament



- 2.13.1 Dynament Details
- 2.13.2 Dynament Major Business
- 2.13.3 Dynament Thermopile Gas Sensor Detectors Product and Services
- 2.13.4 Dynament Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.13.5 Dynament Recent Developments/Updates
- 2.14 Winsen Electronics
  - 2.14.1 Winsen Electronics Details
  - 2.14.2 Winsen Electronics Major Business
  - 2.14.3 Winsen Electronics Thermopile Gas Sensor Detectors Product and Services
  - 2.14.4 Winsen Electronics Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.14.5 Winsen Electronics Recent Developments/Updates
- 2.15 Hanwei
  - 2.15.1 Hanwei Details
  - 2.15.2 Hanwei Major Business
  - 2.15.3 Hanwei Thermopile Gas Sensor Detectors Product and Services
  - 2.15.4 Hanwei Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.15.5 Hanwei Recent Developments/Updates
- 2.16 Novosense
  - 2.16.1 Novosense Details
  - 2.16.2 Novosense Major Business
  - 2.16.3 Novosense Thermopile Gas Sensor Detectors Product and Services
  - 2.16.4 Novosense Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.16.5 Novosense Recent Developments/Updates
- 2.17 Simic Holdings
  - 2.17.1 Simic Holdings Details
  - 2.17.2 Simic Holdings Major Business
  - 2.17.3 Simic Holdings Thermopile Gas Sensor Detectors Product and Services
  - 2.17.4 Simic Holdings Thermopile Gas Sensor Detectors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.17.5 Simic Holdings Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: THERMOPILE GAS SENSOR DETECTORS BY MANUFACTURER**

#### **3.1 Global Thermopile Gas Sensor Detectors Sales Quantity by Manufacturer**

(2018-2023)

3.2 Global Thermopile Gas Sensor Detectors Revenue by Manufacturer (2018-2023)

3.3 Global Thermopile Gas Sensor Detectors Average Price by Manufacturer  
(2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of Thermopile Gas Sensor Detectors by Manufacturer  
Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 Thermopile Gas Sensor Detectors Manufacturer Market Share in 2022

3.4.2 Top 6 Thermopile Gas Sensor Detectors Manufacturer Market Share in 2022

3.5 Thermopile Gas Sensor Detectors Market: Overall Company Footprint Analysis

3.5.1 Thermopile Gas Sensor Detectors Market: Region Footprint

3.5.2 Thermopile Gas Sensor Detectors Market: Company Product Type Footprint

3.5.3 Thermopile Gas Sensor Detectors Market: Company Product Application  
Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

4.1 Global Thermopile Gas Sensor Detectors Market Size by Region

4.1.1 Global Thermopile Gas Sensor Detectors Sales Quantity by Region (2018-2029)

4.1.2 Global Thermopile Gas Sensor Detectors Consumption Value by Region  
(2018-2029)

4.1.3 Global Thermopile Gas Sensor Detectors Average Price by Region (2018-2029)

4.2 North America Thermopile Gas Sensor Detectors Consumption Value (2018-2029)

4.3 Europe Thermopile Gas Sensor Detectors Consumption Value (2018-2029)

4.4 Asia-Pacific Thermopile Gas Sensor Detectors Consumption Value (2018-2029)

4.5 South America Thermopile Gas Sensor Detectors Consumption Value (2018-2029)

4.6 Middle East and Africa Thermopile Gas Sensor Detectors Consumption Value  
(2018-2029)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2029)

5.2 Global Thermopile Gas Sensor Detectors Consumption Value by Type (2018-2029)

5.3 Global Thermopile Gas Sensor Detectors Average Price by Type (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2029)
- 6.2 Global Thermopile Gas Sensor Detectors Consumption Value by Application (2018-2029)
- 6.3 Global Thermopile Gas Sensor Detectors Average Price by Application (2018-2029)

## **7 NORTH AMERICA**

- 7.1 North America Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2029)
- 7.2 North America Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2029)
- 7.3 North America Thermopile Gas Sensor Detectors Market Size by Country
  - 7.3.1 North America Thermopile Gas Sensor Detectors Sales Quantity by Country (2018-2029)
  - 7.3.2 North America Thermopile Gas Sensor Detectors Consumption Value by Country (2018-2029)
  - 7.3.3 United States Market Size and Forecast (2018-2029)
  - 7.3.4 Canada Market Size and Forecast (2018-2029)
  - 7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

- 8.1 Europe Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2029)
- 8.2 Europe Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2029)
- 8.3 Europe Thermopile Gas Sensor Detectors Market Size by Country
  - 8.3.1 Europe Thermopile Gas Sensor Detectors Sales Quantity by Country (2018-2029)
  - 8.3.2 Europe Thermopile Gas Sensor Detectors Consumption Value by Country (2018-2029)
  - 8.3.3 Germany Market Size and Forecast (2018-2029)
  - 8.3.4 France Market Size and Forecast (2018-2029)
  - 8.3.5 United Kingdom Market Size and Forecast (2018-2029)
  - 8.3.6 Russia Market Size and Forecast (2018-2029)
  - 8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Thermopile Gas Sensor Detectors Market Size by Region

9.3.1 Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Thermopile Gas Sensor Detectors Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

10.1 South America Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2029)

10.2 South America Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2029)

10.3 South America Thermopile Gas Sensor Detectors Market Size by Country

10.3.1 South America Thermopile Gas Sensor Detectors Sales Quantity by Country (2018-2029)

10.3.2 South America Thermopile Gas Sensor Detectors Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Thermopile Gas Sensor Detectors Market Size by Country

11.3.1 Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Thermopile Gas Sensor Detectors Consumption Value by Country (2018-2029)

- 11.3.3 Turkey Market Size and Forecast (2018-2029)
- 11.3.4 Egypt Market Size and Forecast (2018-2029)
- 11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
- 11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

- 12.1 Thermopile Gas Sensor Detectors Market Drivers
- 12.2 Thermopile Gas Sensor Detectors Market Restraints
- 12.3 Thermopile Gas Sensor Detectors Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes
  - 12.4.5 Competitive Rivalry
- 12.5 Influence of COVID-19 and Russia-Ukraine War
  - 12.5.1 Influence of COVID-19
  - 12.5.2 Influence of Russia-Ukraine War

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

- 13.1 Raw Material of Thermopile Gas Sensor Detectors and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Thermopile Gas Sensor Detectors
- 13.3 Thermopile Gas Sensor Detectors Production Process
- 13.4 Thermopile Gas Sensor Detectors Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Thermopile Gas Sensor Detectors Typical Distributors
- 14.3 Thermopile Gas Sensor Detectors Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Thermopile Gas Sensor Detectors Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Thermopile Gas Sensor Detectors Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Renesas Technology Basic Information, Manufacturing Base and Competitors

Table 4. Renesas Technology Major Business

Table 5. Renesas Technology Thermopile Gas Sensor Detectors Product and Services

Table 6. Renesas Technology Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Renesas Technology Recent Developments/Updates

Table 8. Melexis Microelectronic Basic Information, Manufacturing Base and Competitors

Table 9. Melexis Microelectronic Major Business

Table 10. Melexis Microelectronic Thermopile Gas Sensor Detectors Product and Services

Table 11. Melexis Microelectronic Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Melexis Microelectronic Recent Developments/Updates

Table 13. Amphenol Advanced Sensors Basic Information, Manufacturing Base and Competitors

Table 14. Amphenol Advanced Sensors Major Business

Table 15. Amphenol Advanced Sensors Thermopile Gas Sensor Detectors Product and Services

Table 16. Amphenol Advanced Sensors Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Amphenol Advanced Sensors Recent Developments/Updates

Table 18. General Electric Company Basic Information, Manufacturing Base and Competitors

Table 19. General Electric Company Major Business

Table 20. General Electric Company Thermopile Gas Sensor Detectors Product and Services

Table 21. General Electric Company Thermopile Gas Sensor Detectors Sales Quantity



(K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. General Electric Company Recent Developments/Updates

Table 23. Roithner LaserTechnik Basic Information, Manufacturing Base and Competitors

Table 24. Roithner LaserTechnik Major Business

Table 25. Roithner LaserTechnik Thermopile Gas Sensor Detectors Product and Services

Table 26. Roithner LaserTechnik Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Roithner LaserTechnik Recent Developments/Updates

Table 28. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 29. Texas Instruments Major Business

Table 30. Texas Instruments Thermopile Gas Sensor Detectors Product and Services

Table 31. Texas Instruments Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. Texas Instruments Recent Developments/Updates

Table 33. Integrated Device Technology Basic Information, Manufacturing Base and Competitors

Table 34. Integrated Device Technology Major Business

Table 35. Integrated Device Technology Thermopile Gas Sensor Detectors Product and Services

Table 36. Integrated Device Technology Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Integrated Device Technology Recent Developments/Updates

Table 38. PerkinElmer Optoelectronics Basic Information, Manufacturing Base and Competitors

Table 39. PerkinElmer Optoelectronics Major Business

Table 40. PerkinElmer Optoelectronics Thermopile Gas Sensor Detectors Product and Services

Table 41. PerkinElmer Optoelectronics Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. PerkinElmer Optoelectronics Recent Developments/Updates

Table 43. Hamamatsu Basic Information, Manufacturing Base and Competitors

Table 44. Hamamatsu Major Business



Table 45. Hamamatsu Thermopile Gas Sensor Detectors Product and Services

Table 46. Hamamatsu Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Hamamatsu Recent Developments/Updates

Table 48. Figaro Engineering Basic Information, Manufacturing Base and Competitors

Table 49. Figaro Engineering Major Business

Table 50. Figaro Engineering Thermopile Gas Sensor Detectors Product and Services

Table 51. Figaro Engineering Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Figaro Engineering Recent Developments/Updates

Table 53. SGX Sensortech Basic Information, Manufacturing Base and Competitors

Table 54. SGX Sensortech Major Business

Table 55. SGX Sensortech Thermopile Gas Sensor Detectors Product and Services

Table 56. SGX Sensortech Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. SGX Sensortech Recent Developments/Updates

Table 58. Honeywell Analytics Basic Information, Manufacturing Base and Competitors

Table 59. Honeywell Analytics Major Business

Table 60. Honeywell Analytics Thermopile Gas Sensor Detectors Product and Services

Table 61. Honeywell Analytics Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Honeywell Analytics Recent Developments/Updates

Table 63. Dynament Basic Information, Manufacturing Base and Competitors

Table 64. Dynament Major Business

Table 65. Dynament Thermopile Gas Sensor Detectors Product and Services

Table 66. Dynament Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Dynament Recent Developments/Updates

Table 68. Winsen Electronics Basic Information, Manufacturing Base and Competitors

Table 69. Winsen Electronics Major Business

Table 70. Winsen Electronics Thermopile Gas Sensor Detectors Product and Services

Table 71. Winsen Electronics Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. Winsen Electronics Recent Developments/Updates
Table 73. Hanwei Basic Information, Manufacturing Base and Competitors
Table 74. Hanwei Major Business
Table 75. Hanwei Thermopile Gas Sensor Detectors Product and Services
Table 76. Hanwei Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 77. Hanwei Recent Developments/Updates
Table 78. Novosense Basic Information, Manufacturing Base and Competitors
Table 79. Novosense Major Business
Table 80. Novosense Thermopile Gas Sensor Detectors Product and Services
Table 81. Novosense Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 82. Novosense Recent Developments/Updates
Table 83. Simic Holdings Basic Information, Manufacturing Base and Competitors
Table 84. Simic Holdings Major Business
Table 85. Simic Holdings Thermopile Gas Sensor Detectors Product and Services
Table 86. Simic Holdings Thermopile Gas Sensor Detectors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 87. Simic Holdings Recent Developments/Updates
Table 88. Global Thermopile Gas Sensor Detectors Sales Quantity by Manufacturer (2018-2023) & (K Units)
Table 89. Global Thermopile Gas Sensor Detectors Revenue by Manufacturer (2018-2023) & (USD Million)
Table 90. Global Thermopile Gas Sensor Detectors Average Price by Manufacturer (2018-2023) & (US\$/Unit)
Table 91. Market Position of Manufacturers in Thermopile Gas Sensor Detectors, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022
Table 92. Head Office and Thermopile Gas Sensor Detectors Production Site of Key Manufacturer
Table 93. Thermopile Gas Sensor Detectors Market: Company Product Type Footprint
Table 94. Thermopile Gas Sensor Detectors Market: Company Product Application Footprint
Table 95. Thermopile Gas Sensor Detectors New Market Entrants and Barriers to Market Entry
Table 96. Thermopile Gas Sensor Detectors Mergers, Acquisition, Agreements, and Collaborations
Table 97. Global Thermopile Gas Sensor Detectors Sales Quantity by Region

(2018-2023) & (K Units)

Table 98. Global Thermopile Gas Sensor Detectors Sales Quantity by Region

(2024-2029) & (K Units)

Table 99. Global Thermopile Gas Sensor Detectors Consumption Value by Region

(2018-2023) & (USD Million)

Table 100. Global Thermopile Gas Sensor Detectors Consumption Value by Region

(2024-2029) & (USD Million)

Table 101. Global Thermopile Gas Sensor Detectors Average Price by Region

(2018-2023) & (US\$/Unit)

Table 102. Global Thermopile Gas Sensor Detectors Average Price by Region

(2024-2029) & (US\$/Unit)

Table 103. Global Thermopile Gas Sensor Detectors Sales Quantity by Type

(2018-2023) & (K Units)

Table 104. Global Thermopile Gas Sensor Detectors Sales Quantity by Type

(2024-2029) & (K Units)

Table 105. Global Thermopile Gas Sensor Detectors Consumption Value by Type

(2018-2023) & (USD Million)

Table 106. Global Thermopile Gas Sensor Detectors Consumption Value by Type

(2024-2029) & (USD Million)

Table 107. Global Thermopile Gas Sensor Detectors Average Price by Type

(2018-2023) & (US\$/Unit)

Table 108. Global Thermopile Gas Sensor Detectors Average Price by Type

(2024-2029) & (US\$/Unit)

Table 109. Global Thermopile Gas Sensor Detectors Sales Quantity by Application

(2018-2023) & (K Units)

Table 110. Global Thermopile Gas Sensor Detectors Sales Quantity by Application

(2024-2029) & (K Units)

Table 111. Global Thermopile Gas Sensor Detectors Consumption Value by Application

(2018-2023) & (USD Million)

Table 112. Global Thermopile Gas Sensor Detectors Consumption Value by Application

(2024-2029) & (USD Million)

Table 113. Global Thermopile Gas Sensor Detectors Average Price by Application

(2018-2023) & (US\$/Unit)

Table 114. Global Thermopile Gas Sensor Detectors Average Price by Application

(2024-2029) & (US\$/Unit)

Table 115. North America Thermopile Gas Sensor Detectors Sales Quantity by Type

(2018-2023) & (K Units)

Table 116. North America Thermopile Gas Sensor Detectors Sales Quantity by Type

(2024-2029) & (K Units)

Table 117. North America Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2023) & (K Units)

Table 118. North America Thermopile Gas Sensor Detectors Sales Quantity by Application (2024-2029) & (K Units)

Table 119. North America Thermopile Gas Sensor Detectors Sales Quantity by Country (2018-2023) & (K Units)

Table 120. North America Thermopile Gas Sensor Detectors Sales Quantity by Country (2024-2029) & (K Units)

Table 121. North America Thermopile Gas Sensor Detectors Consumption Value by Country (2018-2023) & (USD Million)

Table 122. North America Thermopile Gas Sensor Detectors Consumption Value by Country (2024-2029) & (USD Million)

Table 123. Europe Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2023) & (K Units)

Table 124. Europe Thermopile Gas Sensor Detectors Sales Quantity by Type (2024-2029) & (K Units)

Table 125. Europe Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2023) & (K Units)

Table 126. Europe Thermopile Gas Sensor Detectors Sales Quantity by Application (2024-2029) & (K Units)

Table 127. Europe Thermopile Gas Sensor Detectors Sales Quantity by Country (2018-2023) & (K Units)

Table 128. Europe Thermopile Gas Sensor Detectors Sales Quantity by Country (2024-2029) & (K Units)

Table 129. Europe Thermopile Gas Sensor Detectors Consumption Value by Country (2018-2023) & (USD Million)

Table 130. Europe Thermopile Gas Sensor Detectors Consumption Value by Country (2024-2029) & (USD Million)

Table 131. Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2023) & (K Units)

Table 132. Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity by Type (2024-2029) & (K Units)

Table 133. Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2023) & (K Units)

Table 134. Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity by Application (2024-2029) & (K Units)

Table 135. Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity by Region (2018-2023) & (K Units)

Table 136. Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity by Region

(2024-2029) & (K Units)

Table 137. Asia-Pacific Thermopile Gas Sensor Detectors Consumption Value by Region (2018-2023) & (USD Million)

Table 138. Asia-Pacific Thermopile Gas Sensor Detectors Consumption Value by Region (2024-2029) & (USD Million)

Table 139. South America Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2023) & (K Units)

Table 140. South America Thermopile Gas Sensor Detectors Sales Quantity by Type (2024-2029) & (K Units)

Table 141. South America Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2023) & (K Units)

Table 142. South America Thermopile Gas Sensor Detectors Sales Quantity by Application (2024-2029) & (K Units)

Table 143. South America Thermopile Gas Sensor Detectors Sales Quantity by Country (2018-2023) & (K Units)

Table 144. South America Thermopile Gas Sensor Detectors Sales Quantity by Country (2024-2029) & (K Units)

Table 145. South America Thermopile Gas Sensor Detectors Consumption Value by Country (2018-2023) & (USD Million)

Table 146. South America Thermopile Gas Sensor Detectors Consumption Value by Country (2024-2029) & (USD Million)

Table 147. Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity by Type (2018-2023) & (K Units)

Table 148. Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity by Type (2024-2029) & (K Units)

Table 149. Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity by Application (2018-2023) & (K Units)

Table 150. Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity by Application (2024-2029) & (K Units)

Table 151. Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity by Region (2018-2023) & (K Units)

Table 152. Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity by Region (2024-2029) & (K Units)

Table 153. Middle East & Africa Thermopile Gas Sensor Detectors Consumption Value by Region (2018-2023) & (USD Million)

Table 154. Middle East & Africa Thermopile Gas Sensor Detectors Consumption Value by Region (2024-2029) & (USD Million)

Table 155. Thermopile Gas Sensor Detectors Raw Material

Table 156. Key Manufacturers of Thermopile Gas Sensor Detectors Raw Materials

Table 157. Thermopile Gas Sensor Detectors Typical Distributors

Table 158. Thermopile Gas Sensor Detectors Typical Customers



## List Of Figures

### LIST OF FIGURES

Figure 1. Thermopile Gas Sensor Detectors Picture

Figure 2. Global Thermopile Gas Sensor Detectors Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Thermopile Gas Sensor Detectors Consumption Value Market Share by Type in 2022

Figure 4. Fixed Examples

Figure 5. Portable Examples

Figure 6. Global Thermopile Gas Sensor Detectors Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global Thermopile Gas Sensor Detectors Consumption Value Market Share by Application in 2022

Figure 8. Residential and Commercial Safety Examples

Figure 9. Industrial Safety Examples

Figure 10. Environmental Monitoring Examples

Figure 11. Food Safety Examples

Figure 12. Medical Applications Examples

Figure 13. Others Examples

Figure 14. Global Thermopile Gas Sensor Detectors Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 15. Global Thermopile Gas Sensor Detectors Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 16. Global Thermopile Gas Sensor Detectors Sales Quantity (2018-2029) & (K Units)

Figure 17. Global Thermopile Gas Sensor Detectors Average Price (2018-2029) & (US\$/Unit)

Figure 18. Global Thermopile Gas Sensor Detectors Sales Quantity Market Share by Manufacturer in 2022

Figure 19. Global Thermopile Gas Sensor Detectors Consumption Value Market Share by Manufacturer in 2022

Figure 20. Producer Shipments of Thermopile Gas Sensor Detectors by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 21. Top 3 Thermopile Gas Sensor Detectors Manufacturer (Consumption Value) Market Share in 2022

Figure 22. Top 6 Thermopile Gas Sensor Detectors Manufacturer (Consumption Value) Market Share in 2022

Figure 23. Global Thermopile Gas Sensor Detectors Sales Quantity Market Share by Region (2018-2029)

Figure 24. Global Thermopile Gas Sensor Detectors Consumption Value Market Share by Region (2018-2029)

Figure 25. North America Thermopile Gas Sensor Detectors Consumption Value (2018-2029) & (USD Million)

Figure 26. Europe Thermopile Gas Sensor Detectors Consumption Value (2018-2029) & (USD Million)

Figure 27. Asia-Pacific Thermopile Gas Sensor Detectors Consumption Value (2018-2029) & (USD Million)

Figure 28. South America Thermopile Gas Sensor Detectors Consumption Value (2018-2029) & (USD Million)

Figure 29. Middle East & Africa Thermopile Gas Sensor Detectors Consumption Value (2018-2029) & (USD Million)

Figure 30. Global Thermopile Gas Sensor Detectors Sales Quantity Market Share by Type (2018-2029)

Figure 31. Global Thermopile Gas Sensor Detectors Consumption Value Market Share by Type (2018-2029)

Figure 32. Global Thermopile Gas Sensor Detectors Average Price by Type (2018-2029) & (US\$/Unit)

Figure 33. Global Thermopile Gas Sensor Detectors Sales Quantity Market Share by Application (2018-2029)

Figure 34. Global Thermopile Gas Sensor Detectors Consumption Value Market Share by Application (2018-2029)

Figure 35. Global Thermopile Gas Sensor Detectors Average Price by Application (2018-2029) & (US\$/Unit)

Figure 36. North America Thermopile Gas Sensor Detectors Sales Quantity Market Share by Type (2018-2029)

Figure 37. North America Thermopile Gas Sensor Detectors Sales Quantity Market Share by Application (2018-2029)

Figure 38. North America Thermopile Gas Sensor Detectors Sales Quantity Market Share by Country (2018-2029)

Figure 39. North America Thermopile Gas Sensor Detectors Consumption Value Market Share by Country (2018-2029)

Figure 40. United States Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Canada Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Mexico Thermopile Gas Sensor Detectors Consumption Value and Growth



Rate (2018-2029) & (USD Million)

Figure 43. Europe Thermopile Gas Sensor Detectors Sales Quantity Market Share by Type (2018-2029)

Figure 44. Europe Thermopile Gas Sensor Detectors Sales Quantity Market Share by Application (2018-2029)

Figure 45. Europe Thermopile Gas Sensor Detectors Sales Quantity Market Share by Country (2018-2029)

Figure 46. Europe Thermopile Gas Sensor Detectors Consumption Value Market Share by Country (2018-2029)

Figure 47. Germany Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. France Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. United Kingdom Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Russia Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Italy Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity Market Share by Type (2018-2029)

Figure 53. Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity Market Share by Application (2018-2029)

Figure 54. Asia-Pacific Thermopile Gas Sensor Detectors Sales Quantity Market Share by Region (2018-2029)

Figure 55. Asia-Pacific Thermopile Gas Sensor Detectors Consumption Value Market Share by Region (2018-2029)

Figure 56. China Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Japan Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Korea Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. India Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Southeast Asia Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Australia Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. South America Thermopile Gas Sensor Detectors Sales Quantity Market Share by Type (2018-2029)

Figure 63. South America Thermopile Gas Sensor Detectors Sales Quantity Market Share by Application (2018-2029)

Figure 64. South America Thermopile Gas Sensor Detectors Sales Quantity Market Share by Country (2018-2029)

Figure 65. South America Thermopile Gas Sensor Detectors Consumption Value Market Share by Country (2018-2029)

Figure 66. Brazil Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 67. Argentina Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 68. Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity Market Share by Type (2018-2029)

Figure 69. Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity Market Share by Application (2018-2029)

Figure 70. Middle East & Africa Thermopile Gas Sensor Detectors Sales Quantity Market Share by Region (2018-2029)

Figure 71. Middle East & Africa Thermopile Gas Sensor Detectors Consumption Value Market Share by Region (2018-2029)

Figure 72. Turkey Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Egypt Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. Saudi Arabia Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. South Africa Thermopile Gas Sensor Detectors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 76. Thermopile Gas Sensor Detectors Market Drivers

Figure 77. Thermopile Gas Sensor Detectors Market Restraints

Figure 78. Thermopile Gas Sensor Detectors Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Thermopile Gas Sensor Detectors in 2022

Figure 81. Manufacturing Process Analysis of Thermopile Gas Sensor Detectors

Figure 82. Thermopile Gas Sensor Detectors Industrial Chain

Figure 83. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

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