

# Global Miniature Infrared Gas Sensor Market Growth 2023-2029

<https://marketpublishers.com/r/GD2827F54638EN.html>

Date: September 2023

Pages: 118

Price: US\$ 3,660.00 (Single User License)

ID: GD2827F54638EN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Miniature Infrared Gas Sensor market size was valued at US\$ million in 2022. With growing demand in downstream market and recovery from influence of COVID-19 and the Russia-Ukraine War, the Miniature Infrared Gas Sensor is forecast to a readjusted size of US\$ million by 2029 with a CAGR of % during review period.

The research report highlights the growth potential of the global Miniature Infrared Gas Sensor market. With recovery from influence of COVID-19 and the Russia-Ukraine War, Miniature Infrared Gas Sensor are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Miniature Infrared Gas Sensor. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Miniature Infrared Gas Sensor market.

The miniature infrared gas sensor is a sensor used to detect and measure gas concentration, which uses the principle of infrared radiation to realize the monitoring of gas concentration. Miniature infrared gas sensors usually have the characteristics of miniaturization, high sensitivity and fast response, and can be widely used in industries, environmental monitoring, safety detection and other fields. The working principle of the miniature infrared gas sensor is to infer the gas concentration by measuring the intensity of absorbed and scattered infrared radiation through the absorption and scattering of infrared radiation and target gas. The sensor usually uses an infrared light source and an infrared detector. The infrared light source emits infrared radiation of a

specific wavelength. When the target gas in the gas exists, it will absorb the infrared radiation of a specific wavelength. The intensity of the absorbed radiation is proportional to the gas concentration. By measuring The intensity of the absorbed radiation gives information on the gas concentration. Miniature infrared gas sensors usually have the characteristics of high precision, fast response and good stability. It can monitor the gas concentration in the environment in real time, and output corresponding electrical or digital signals to facilitate data analysis and processing by users. Miniature infrared gas sensors have important application value in industrial process control, environmental monitoring, safety detection and other fields, and can help users realize accurate monitoring and control of gas concentration.

#### Key Features:

The report on Miniature Infrared Gas Sensor market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the Miniature Infrared Gas Sensor market. It may include historical data, market segmentation by Type (e.g., Non-dispersive Infrared Gas Sensor, Decentralized Infrared Gas Sensor), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the Miniature Infrared Gas Sensor market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the Miniature Infrared Gas Sensor market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the Miniature Infrared Gas Sensor industry. This include advancements in Miniature Infrared Gas Sensor technology, Miniature Infrared Gas Sensor new entrants, Miniature Infrared Gas Sensor new investment, and other innovations that are shaping the future of Miniature Infrared Gas Sensor.

**Downstream Procumbent Preference:** The report can shed light on customer

procumbent behaviour and adoption trends in the Miniature Infrared Gas Sensor market. It includes factors influencing customer ' purchasing decisions, preferences for Miniature Infrared Gas Sensor product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the Miniature Infrared Gas Sensor market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Miniature Infrared Gas Sensor market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the Miniature Infrared Gas Sensor market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the Miniature Infrared Gas Sensor industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Miniature Infrared Gas Sensor market.

**Market Segmentation:**

Miniature Infrared Gas Sensor 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.

Segmentation by type

Non-dispersive Infrared Gas Sensor

Decentralized Infrared Gas Sensor

Segmentation by application

Environmental Industry

Achitechive

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Cubic Sensor and Instrument Co.,Ltd

Shenzhen MemFrontier Electronics Co., Ltd.

Jinan Rainbow Technology Co.,Ltd

Alphasense

Axetris AG

CAREL

Gas Sensing Solutions (GSS)

Hubei Cubic-Ruiyi Instrument Co., Ltd

ION Science Global

smartGAS Mikrosensorik GmbH

Figaro Engineering Inc.

EC Sense GmbH

SIRIC

LED Technologies

Aretas Sensor Networks

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Miniature Infrared Gas Sensor market?

What factors are driving Miniature Infrared Gas Sensor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Miniature Infrared Gas Sensor market opportunities vary by end market size?

How does Miniature Infrared Gas Sensor break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Miniature Infrared Gas Sensor Annual Sales 2018-2029
- 2.1.2 World Current & Future Analysis for Miniature Infrared Gas Sensor by Geographic Region, 2018, 2022 & 2029
- 2.1.3 World Current & Future Analysis for Miniature Infrared Gas Sensor by Country/Region, 2018, 2022 & 2029

#### 2.2 Miniature Infrared Gas Sensor Segment by Type

- 2.2.1 Non-dispersive Infrared Gas Sensor
- 2.2.2 Decentralized Infrared Gas Sensor

#### 2.3 Miniature Infrared Gas Sensor Sales by Type

- 2.3.1 Global Miniature Infrared Gas Sensor Sales Market Share by Type (2018-2023)
- 2.3.2 Global Miniature Infrared Gas Sensor Revenue and Market Share by Type (2018-2023)
- 2.3.3 Global Miniature Infrared Gas Sensor Sale Price by Type (2018-2023)

#### 2.4 Miniature Infrared Gas Sensor Segment by Application

- 2.4.1 Environmental Industry
- 2.4.2 Architecture
- 2.4.3 Others

#### 2.5 Miniature Infrared Gas Sensor Sales by Application

- 2.5.1 Global Miniature Infrared Gas Sensor Sale Market Share by Application (2018-2023)
- 2.5.2 Global Miniature Infrared Gas Sensor Revenue and Market Share by Application (2018-2023)
- 2.5.3 Global Miniature Infrared Gas Sensor Sale Price by Application (2018-2023)

### **3 GLOBAL MINIATURE INFRARED GAS SENSOR BY COMPANY**

#### 3.1 Global Miniature Infrared Gas Sensor Breakdown Data by Company

3.1.1 Global Miniature Infrared Gas Sensor Annual Sales by Company (2018-2023)

3.1.2 Global Miniature Infrared Gas Sensor Sales Market Share by Company (2018-2023)

#### 3.2 Global Miniature Infrared Gas Sensor Annual Revenue by Company (2018-2023)

3.2.1 Global Miniature Infrared Gas Sensor Revenue by Company (2018-2023)

3.2.2 Global Miniature Infrared Gas Sensor Revenue Market Share by Company (2018-2023)

#### 3.3 Global Miniature Infrared Gas Sensor Sale Price by Company

#### 3.4 Key Manufacturers Miniature Infrared Gas Sensor Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Miniature Infrared Gas Sensor Product Location Distribution

3.4.2 Players Miniature Infrared Gas Sensor Products Offered

#### 3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

#### 3.6 New Products and Potential Entrants

#### 3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR MINIATURE INFRARED GAS SENSOR BY GEOGRAPHIC REGION**

#### 4.1 World Historic Miniature Infrared Gas Sensor Market Size by Geographic Region (2018-2023)

4.1.1 Global Miniature Infrared Gas Sensor Annual Sales by Geographic Region (2018-2023)

4.1.2 Global Miniature Infrared Gas Sensor Annual Revenue by Geographic Region (2018-2023)

#### 4.2 World Historic Miniature Infrared Gas Sensor Market Size by Country/Region (2018-2023)

4.2.1 Global Miniature Infrared Gas Sensor Annual Sales by Country/Region (2018-2023)

4.2.2 Global Miniature Infrared Gas Sensor Annual Revenue by Country/Region (2018-2023)

#### 4.3 Americas Miniature Infrared Gas Sensor Sales Growth

#### 4.4 APAC Miniature Infrared Gas Sensor Sales Growth



4.5 Europe Miniature Infrared Gas Sensor Sales Growth

4.6 Middle East & Africa Miniature Infrared Gas Sensor Sales Growth

## **5 AMERICAS**

5.1 Americas Miniature Infrared Gas Sensor Sales by Country

5.1.1 Americas Miniature Infrared Gas Sensor Sales by Country (2018-2023)

5.1.2 Americas Miniature Infrared Gas Sensor Revenue by Country (2018-2023)

5.2 Americas Miniature Infrared Gas Sensor Sales by Type

5.3 Americas Miniature Infrared Gas Sensor Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Miniature Infrared Gas Sensor Sales by Region

6.1.1 APAC Miniature Infrared Gas Sensor Sales by Region (2018-2023)

6.1.2 APAC Miniature Infrared Gas Sensor Revenue by Region (2018-2023)

6.2 APAC Miniature Infrared Gas Sensor Sales by Type

6.3 APAC Miniature Infrared Gas Sensor Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

7.1 Europe Miniature Infrared Gas Sensor by Country

7.1.1 Europe Miniature Infrared Gas Sensor Sales by Country (2018-2023)

7.1.2 Europe Miniature Infrared Gas Sensor Revenue by Country (2018-2023)

7.2 Europe Miniature Infrared Gas Sensor Sales by Type

7.3 Europe Miniature Infrared Gas Sensor Sales by Application

7.4 Germany

7.5 France

- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Miniature Infrared Gas Sensor by Country
  - 8.1.1 Middle East & Africa Miniature Infrared Gas Sensor Sales by Country (2018-2023)
  - 8.1.2 Middle East & Africa Miniature Infrared Gas Sensor Revenue by Country (2018-2023)
- 8.2 Middle East & Africa Miniature Infrared Gas Sensor Sales by Type
- 8.3 Middle East & Africa Miniature Infrared Gas Sensor Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Miniature Infrared Gas Sensor
- 10.3 Manufacturing Process Analysis of Miniature Infrared Gas Sensor
- 10.4 Industry Chain Structure of Miniature Infrared Gas Sensor

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Miniature Infrared Gas Sensor Distributors
- 11.3 Miniature Infrared Gas Sensor Customer

## **12 WORLD FORECAST REVIEW FOR MINIATURE INFRARED GAS SENSOR BY GEOGRAPHIC REGION**

- 12.1 Global Miniature Infrared Gas Sensor Market Size Forecast by Region
  - 12.1.1 Global Miniature Infrared Gas Sensor Forecast by Region (2024-2029)
  - 12.1.2 Global Miniature Infrared Gas Sensor Annual Revenue Forecast by Region (2024-2029)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Miniature Infrared Gas Sensor Forecast by Type
- 12.7 Global Miniature Infrared Gas Sensor Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Cubic Sensor and Instrument Co.,Ltd
  - 13.1.1 Cubic Sensor and Instrument Co.,Ltd Company Information
  - 13.1.2 Cubic Sensor and Instrument Co.,Ltd Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.1.3 Cubic Sensor and Instrument Co.,Ltd Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.1.4 Cubic Sensor and Instrument Co.,Ltd Main Business Overview
  - 13.1.5 Cubic Sensor and Instrument Co.,Ltd Latest Developments
- 13.2 Shenzhen MemsFrontier Electronics Co., Ltd.
  - 13.2.1 Shenzhen MemsFrontier Electronics Co., Ltd. Company Information
  - 13.2.2 Shenzhen MemsFrontier Electronics Co., Ltd. Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.2.3 Shenzhen MemsFrontier Electronics Co., Ltd. Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.2.4 Shenzhen MemsFrontier Electronics Co., Ltd. Main Business Overview
  - 13.2.5 Shenzhen MemsFrontier Electronics Co., Ltd. Latest Developments
- 13.3 Jinan Rainbow Technology Co.,Ltd
  - 13.3.1 Jinan Rainbow Technology Co.,Ltd Company Information
  - 13.3.2 Jinan Rainbow Technology Co.,Ltd Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.3.3 Jinan Rainbow Technology Co.,Ltd Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)

- 13.3.4 Jinan Rainbow Technology Co.,Ltd Main Business Overview
- 13.3.5 Jinan Rainbow Technology Co.,Ltd Latest Developments
- 13.4 Alphasense
  - 13.4.1 Alphasense Company Information
  - 13.4.2 Alphasense Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.4.3 Alphasense Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.4.4 Alphasense Main Business Overview
  - 13.4.5 Alphasense Latest Developments
- 13.5 Axetris AG
  - 13.5.1 Axetris AG Company Information
  - 13.5.2 Axetris AG Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.5.3 Axetris AG Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.5.4 Axetris AG Main Business Overview
  - 13.5.5 Axetris AG Latest Developments
- 13.6 CAREL
  - 13.6.1 CAREL Company Information
  - 13.6.2 CAREL Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.6.3 CAREL Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.6.4 CAREL Main Business Overview
  - 13.6.5 CAREL Latest Developments
- 13.7 Gas Sensing Solutions (GSS)
  - 13.7.1 Gas Sensing Solutions (GSS) Company Information
  - 13.7.2 Gas Sensing Solutions (GSS) Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.7.3 Gas Sensing Solutions (GSS) Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.7.4 Gas Sensing Solutions (GSS) Main Business Overview
  - 13.7.5 Gas Sensing Solutions (GSS) Latest Developments
- 13.8 Hubei Cubic-Ruiyi Instrument Co., Ltd
  - 13.8.1 Hubei Cubic-Ruiyi Instrument Co., Ltd Company Information
  - 13.8.2 Hubei Cubic-Ruiyi Instrument Co., Ltd Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.8.3 Hubei Cubic-Ruiyi Instrument Co., Ltd Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.8.4 Hubei Cubic-Ruiyi Instrument Co., Ltd Main Business Overview

- 13.8.5 Hubei Cubic-Ruiyi Instrument Co., Ltd Latest Developments
- 13.9 ION Science Global
  - 13.9.1 ION Science Global Company Information
  - 13.9.2 ION Science Global Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.9.3 ION Science Global Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.9.4 ION Science Global Main Business Overview
  - 13.9.5 ION Science Global Latest Developments
- 13.10 smartGAS Mikrosensorik GmbH
  - 13.10.1 smartGAS Mikrosensorik GmbH Company Information
  - 13.10.2 smartGAS Mikrosensorik GmbH Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.10.3 smartGAS Mikrosensorik GmbH Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.10.4 smartGAS Mikrosensorik GmbH Main Business Overview
  - 13.10.5 smartGAS Mikrosensorik GmbH Latest Developments
- 13.11 Figaro Engineering Inc.
  - 13.11.1 Figaro Engineering Inc. Company Information
  - 13.11.2 Figaro Engineering Inc. Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.11.3 Figaro Engineering Inc. Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.11.4 Figaro Engineering Inc. Main Business Overview
  - 13.11.5 Figaro Engineering Inc. Latest Developments
- 13.12 EC Sense GmbH
  - 13.12.1 EC Sense GmbH Company Information
  - 13.12.2 EC Sense GmbH Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.12.3 EC Sense GmbH Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.12.4 EC Sense GmbH Main Business Overview
  - 13.12.5 EC Sense GmbH Latest Developments
- 13.13 SIRIC
  - 13.13.1 SIRIC Company Information
  - 13.13.2 SIRIC Miniature Infrared Gas Sensor Product Portfolios and Specifications
  - 13.13.3 SIRIC Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.13.4 SIRIC Main Business Overview

13.13.5 SIRIC Latest Developments

13.14 LED Technologies

13.14.1 LED Technologies Company Information

13.14.2 LED Technologies Miniature Infrared Gas Sensor Product Portfolios and Specifications

13.14.3 LED Technologies Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)

13.14.4 LED Technologies Main Business Overview

13.14.5 LED Technologies Latest Developments

13.15 Aretas Sensor Networks

13.15.1 Aretas Sensor Networks Company Information

13.15.2 Aretas Sensor Networks Miniature Infrared Gas Sensor Product Portfolios and Specifications

13.15.3 Aretas Sensor Networks Miniature Infrared Gas Sensor Sales, Revenue, Price and Gross Margin (2018-2023)

13.15.4 Aretas Sensor Networks Main Business Overview

13.15.5 Aretas Sensor Networks Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Miniature Infrared Gas Sensor Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)

Table 2. Miniature Infrared Gas Sensor Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)

Table 3. Major Players of Non-dispersive Infrared Gas Sensor

Table 4. Major Players of Decentralized Infrared Gas Sensor

Table 5. Global Miniature Infrared Gas Sensor Sales by Type (2018-2023) & (K Units)

Table 6. Global Miniature Infrared Gas Sensor Sales Market Share by Type (2018-2023)

Table 7. Global Miniature Infrared Gas Sensor Revenue by Type (2018-2023) & (\$ million)

Table 8. Global Miniature Infrared Gas Sensor Revenue Market Share by Type (2018-2023)

Table 9. Global Miniature Infrared Gas Sensor Sale Price by Type (2018-2023) & (US\$/Unit)

Table 10. Global Miniature Infrared Gas Sensor Sales by Application (2018-2023) & (K Units)

Table 11. Global Miniature Infrared Gas Sensor Sales Market Share by Application (2018-2023)

Table 12. Global Miniature Infrared Gas Sensor Revenue by Application (2018-2023)

Table 13. Global Miniature Infrared Gas Sensor Revenue Market Share by Application (2018-2023)

Table 14. Global Miniature Infrared Gas Sensor Sale Price by Application (2018-2023) & (US\$/Unit)

Table 15. Global Miniature Infrared Gas Sensor Sales by Company (2018-2023) & (K Units)

Table 16. Global Miniature Infrared Gas Sensor Sales Market Share by Company (2018-2023)

Table 17. Global Miniature Infrared Gas Sensor Revenue by Company (2018-2023) (\$ Millions)

Table 18. Global Miniature Infrared Gas Sensor Revenue Market Share by Company (2018-2023)

Table 19. Global Miniature Infrared Gas Sensor Sale Price by Company (2018-2023) & (US\$/Unit)

Table 20. Key Manufacturers Miniature Infrared Gas Sensor Producing Area Distribution

and Sales Area

Table 21. Players Miniature Infrared Gas Sensor Products Offered

Table 22. Miniature Infrared Gas Sensor Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global Miniature Infrared Gas Sensor Sales by Geographic Region (2018-2023) & (K Units)

Table 26. Global Miniature Infrared Gas Sensor Sales Market Share Geographic Region (2018-2023)

Table 27. Global Miniature Infrared Gas Sensor Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 28. Global Miniature Infrared Gas Sensor Revenue Market Share by Geographic Region (2018-2023)

Table 29. Global Miniature Infrared Gas Sensor Sales by Country/Region (2018-2023) & (K Units)

Table 30. Global Miniature Infrared Gas Sensor Sales Market Share by Country/Region (2018-2023)

Table 31. Global Miniature Infrared Gas Sensor Revenue by Country/Region (2018-2023) & (\$ millions)

Table 32. Global Miniature Infrared Gas Sensor Revenue Market Share by Country/Region (2018-2023)

Table 33. Americas Miniature Infrared Gas Sensor Sales by Country (2018-2023) & (K Units)

Table 34. Americas Miniature Infrared Gas Sensor Sales Market Share by Country (2018-2023)

Table 35. Americas Miniature Infrared Gas Sensor Revenue by Country (2018-2023) & (\$ Millions)

Table 36. Americas Miniature Infrared Gas Sensor Revenue Market Share by Country (2018-2023)

Table 37. Americas Miniature Infrared Gas Sensor Sales by Type (2018-2023) & (K Units)

Table 38. Americas Miniature Infrared Gas Sensor Sales by Application (2018-2023) & (K Units)

Table 39. APAC Miniature Infrared Gas Sensor Sales by Region (2018-2023) & (K Units)

Table 40. APAC Miniature Infrared Gas Sensor Sales Market Share by Region (2018-2023)

Table 41. APAC Miniature Infrared Gas Sensor Revenue by Region (2018-2023) & (\$



Millions)

Table 42. APAC Miniature Infrared Gas Sensor Revenue Market Share by Region (2018-2023)

Table 43. APAC Miniature Infrared Gas Sensor Sales by Type (2018-2023) & (K Units)

Table 44. APAC Miniature Infrared Gas Sensor Sales by Application (2018-2023) & (K Units)

Table 45. Europe Miniature Infrared Gas Sensor Sales by Country (2018-2023) & (K Units)

Table 46. Europe Miniature Infrared Gas Sensor Sales Market Share by Country (2018-2023)

Table 47. Europe Miniature Infrared Gas Sensor Revenue by Country (2018-2023) & (\$ Millions)

Table 48. Europe Miniature Infrared Gas Sensor Revenue Market Share by Country (2018-2023)

Table 49. Europe Miniature Infrared Gas Sensor Sales by Type (2018-2023) & (K Units)

Table 50. Europe Miniature Infrared Gas Sensor Sales by Application (2018-2023) & (K Units)

Table 51. Middle East & Africa Miniature Infrared Gas Sensor Sales by Country (2018-2023) & (K Units)

Table 52. Middle East & Africa Miniature Infrared Gas Sensor Sales Market Share by Country (2018-2023)

Table 53. Middle East & Africa Miniature Infrared Gas Sensor Revenue by Country (2018-2023) & (\$ Millions)

Table 54. Middle East & Africa Miniature Infrared Gas Sensor Revenue Market Share by Country (2018-2023)

Table 55. Middle East & Africa Miniature Infrared Gas Sensor Sales by Type (2018-2023) & (K Units)

Table 56. Middle East & Africa Miniature Infrared Gas Sensor Sales by Application (2018-2023) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of Miniature Infrared Gas Sensor

Table 58. Key Market Challenges & Risks of Miniature Infrared Gas Sensor

Table 59. Key Industry Trends of Miniature Infrared Gas Sensor

Table 60. Miniature Infrared Gas Sensor Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. Miniature Infrared Gas Sensor Distributors List

Table 63. Miniature Infrared Gas Sensor Customer List

Table 64. Global Miniature Infrared Gas Sensor Sales Forecast by Region (2024-2029) & (K Units)

Table 65. Global Miniature Infrared Gas Sensor Revenue Forecast by Region

(2024-2029) & (\$ millions)

Table 66. Americas Miniature Infrared Gas Sensor Sales Forecast by Country

(2024-2029) & (K Units)

Table 67. Americas Miniature Infrared Gas Sensor Revenue Forecast by Country

(2024-2029) & (\$ millions)

Table 68. APAC Miniature Infrared Gas Sensor Sales Forecast by Region (2024-2029)

& (K Units)

Table 69. APAC Miniature Infrared Gas Sensor Revenue Forecast by Region

(2024-2029) & (\$ millions)

Table 70. Europe Miniature Infrared Gas Sensor Sales Forecast by Country

(2024-2029) & (K Units)

Table 71. Europe Miniature Infrared Gas Sensor Revenue Forecast by Country

(2024-2029) & (\$ millions)

Table 72. Middle East & Africa Miniature Infrared Gas Sensor Sales Forecast by

Country (2024-2029) & (K Units)

Table 73. Middle East & Africa Miniature Infrared Gas Sensor Revenue Forecast by

Country (2024-2029) & (\$ millions)

Table 74. Global Miniature Infrared Gas Sensor Sales Forecast by Type (2024-2029) &

(K Units)

Table 75. Global Miniature Infrared Gas Sensor Revenue Forecast by Type

(2024-2029) & (\$ Millions)

Table 76. Global Miniature Infrared Gas Sensor Sales Forecast by Application

(2024-2029) & (K Units)

Table 77. Global Miniature Infrared Gas Sensor Revenue Forecast by Application

(2024-2029) & (\$ Millions)

Table 78. Cubic Sensor and Instrument Co.,Ltd Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors

Table 79. Cubic Sensor and Instrument Co.,Ltd Miniature Infrared Gas Sensor Product Portfolios and Specifications

Table 80. Cubic Sensor and Instrument Co.,Ltd Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 81. Cubic Sensor and Instrument Co.,Ltd Main Business

Table 82. Cubic Sensor and Instrument Co.,Ltd Latest Developments

Table 83. Shenzhen MemsFrontier Electronics Co., Ltd. Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors

Table 84. Shenzhen MemsFrontier Electronics Co., Ltd. Miniature Infrared Gas Sensor Product Portfolios and Specifications

Table 85. Shenzhen MemsFrontier Electronics Co., Ltd. Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

- Table 86. Shenzhen MemsFrontier Electronics Co., Ltd. Main Business
- Table 87. Shenzhen MemsFrontier Electronics Co., Ltd. Latest Developments
- Table 88. Jinan Rainbow Technology Co.,Ltd Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 89. Jinan Rainbow Technology Co.,Ltd Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 90. Jinan Rainbow Technology Co.,Ltd Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 91. Jinan Rainbow Technology Co.,Ltd Main Business
- Table 92. Jinan Rainbow Technology Co.,Ltd Latest Developments
- Table 93. Alphasense Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 94. Alphasense Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 95. Alphasense Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 96. Alphasense Main Business
- Table 97. Alphasense Latest Developments
- Table 98. Axetris AG Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 99. Axetris AG Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 100. Axetris AG Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 101. Axetris AG Main Business
- Table 102. Axetris AG Latest Developments
- Table 103. CAREL Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 104. CAREL Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 105. CAREL Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 106. CAREL Main Business
- Table 107. CAREL Latest Developments
- Table 108. Gas Sensing Solutions (GSS) Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 109. Gas Sensing Solutions (GSS) Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 110. Gas Sensing Solutions (GSS) Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

- Table 111. Gas Sensing Solutions (GSS) Main Business
- Table 112. Gas Sensing Solutions (GSS) Latest Developments
- Table 113. Hubei Cubic-Ruiyi Instrument Co., Ltd Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 114. Hubei Cubic-Ruiyi Instrument Co., Ltd Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 115. Hubei Cubic-Ruiyi Instrument Co., Ltd Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 116. Hubei Cubic-Ruiyi Instrument Co., Ltd Main Business
- Table 117. Hubei Cubic-Ruiyi Instrument Co., Ltd Latest Developments
- Table 118. ION Science Global Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 119. ION Science Global Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 120. ION Science Global Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 121. ION Science Global Main Business
- Table 122. ION Science Global Latest Developments
- Table 123. smartGAS Mikrosensorik GmbH Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 124. smartGAS Mikrosensorik GmbH Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 125. smartGAS Mikrosensorik GmbH Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 126. smartGAS Mikrosensorik GmbH Main Business
- Table 127. smartGAS Mikrosensorik GmbH Latest Developments
- Table 128. Figaro Engineering Inc. Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 129. Figaro Engineering Inc. Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 130. Figaro Engineering Inc. Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 131. Figaro Engineering Inc. Main Business
- Table 132. Figaro Engineering Inc. Latest Developments
- Table 133. EC Sense GmbH Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors
- Table 134. EC Sense GmbH Miniature Infrared Gas Sensor Product Portfolios and Specifications
- Table 135. EC Sense GmbH Miniature Infrared Gas Sensor Sales (K Units), Revenue

(\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 136. EC Sense GmbH Main Business

Table 137. EC Sense GmbH Latest Developments

Table 138. SIRIC Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors

Table 139. SIRIC Miniature Infrared Gas Sensor Product Portfolios and Specifications

Table 140. SIRIC Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 141. SIRIC Main Business

Table 142. SIRIC Latest Developments

Table 143. LED Technologies Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors

Table 144. LED Technologies Miniature Infrared Gas Sensor Product Portfolios and Specifications

Table 145. LED Technologies Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 146. LED Technologies Main Business

Table 147. LED Technologies Latest Developments

Table 148. Aretas Sensor Networks Basic Information, Miniature Infrared Gas Sensor Manufacturing Base, Sales Area and Its Competitors

Table 149. Aretas Sensor Networks Miniature Infrared Gas Sensor Product Portfolios and Specifications

Table 150. Aretas Sensor Networks Miniature Infrared Gas Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 151. Aretas Sensor Networks Main Business

Table 152. Aretas Sensor Networks Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Miniature Infrared Gas Sensor
- Figure 2. Miniature Infrared Gas Sensor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Miniature Infrared Gas Sensor Sales Growth Rate 2018-2029 (K Units)
- Figure 7. Global Miniature Infrared Gas Sensor Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. Miniature Infrared Gas Sensor Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Non-dispersive Infrared Gas Sensor
- Figure 10. Product Picture of Decentralized Infrared Gas Sensor
- Figure 11. Global Miniature Infrared Gas Sensor Sales Market Share by Type in 2022
- Figure 12. Global Miniature Infrared Gas Sensor Revenue Market Share by Type (2018-2023)
- Figure 13. Miniature Infrared Gas Sensor Consumed in Environmental Industry
- Figure 14. Global Miniature Infrared Gas Sensor Market: Environmental Industry (2018-2023) & (K Units)
- Figure 15. Miniature Infrared Gas Sensor Consumed in Achitechive
- Figure 16. Global Miniature Infrared Gas Sensor Market: Achitechive (2018-2023) & (K Units)
- Figure 17. Miniature Infrared Gas Sensor Consumed in Others
- Figure 18. Global Miniature Infrared Gas Sensor Market: Others (2018-2023) & (K Units)
- Figure 19. Global Miniature Infrared Gas Sensor Sales Market Share by Application (2022)
- Figure 20. Global Miniature Infrared Gas Sensor Revenue Market Share by Application in 2022
- Figure 21. Miniature Infrared Gas Sensor Sales Market by Company in 2022 (K Units)
- Figure 22. Global Miniature Infrared Gas Sensor Sales Market Share by Company in 2022
- Figure 23. Miniature Infrared Gas Sensor Revenue Market by Company in 2022 (\$ Million)
- Figure 24. Global Miniature Infrared Gas Sensor Revenue Market Share by Company in 2022

Figure 25. Global Miniature Infrared Gas Sensor Sales Market Share by Geographic Region (2018-2023)

Figure 26. Global Miniature Infrared Gas Sensor Revenue Market Share by Geographic Region in 2022

Figure 27. Americas Miniature Infrared Gas Sensor Sales 2018-2023 (K Units)

Figure 28. Americas Miniature Infrared Gas Sensor Revenue 2018-2023 (\$ Millions)

Figure 29. APAC Miniature Infrared Gas Sensor Sales 2018-2023 (K Units)

Figure 30. APAC Miniature Infrared Gas Sensor Revenue 2018-2023 (\$ Millions)

Figure 31. Europe Miniature Infrared Gas Sensor Sales 2018-2023 (K Units)

Figure 32. Europe Miniature Infrared Gas Sensor Revenue 2018-2023 (\$ Millions)

Figure 33. Middle East & Africa Miniature Infrared Gas Sensor Sales 2018-2023 (K Units)

Figure 34. Middle East & Africa Miniature Infrared Gas Sensor Revenue 2018-2023 (\$ Millions)

Figure 35. Americas Miniature Infrared Gas Sensor Sales Market Share by Country in 2022

Figure 36. Americas Miniature Infrared Gas Sensor Revenue Market Share by Country in 2022

Figure 37. Americas Miniature Infrared Gas Sensor Sales Market Share by Type (2018-2023)

Figure 38. Americas Miniature Infrared Gas Sensor Sales Market Share by Application (2018-2023)

Figure 39. United States Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 40. Canada Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 41. Mexico Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 42. Brazil Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 43. APAC Miniature Infrared Gas Sensor Sales Market Share by Region in 2022

Figure 44. APAC Miniature Infrared Gas Sensor Revenue Market Share by Regions in 2022

Figure 45. APAC Miniature Infrared Gas Sensor Sales Market Share by Type (2018-2023)

Figure 46. APAC Miniature Infrared Gas Sensor Sales Market Share by Application (2018-2023)

Figure 47. China Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 48. Japan Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$

Millions)

Figure 49. South Korea Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 50. Southeast Asia Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 51. India Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 52. Australia Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 53. China Taiwan Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 54. Europe Miniature Infrared Gas Sensor Sales Market Share by Country in 2022

Figure 55. Europe Miniature Infrared Gas Sensor Revenue Market Share by Country in 2022

Figure 56. Europe Miniature Infrared Gas Sensor Sales Market Share by Type (2018-2023)

Figure 57. Europe Miniature Infrared Gas Sensor Sales Market Share by Application (2018-2023)

Figure 58. Germany Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 59. France Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 60. UK Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 61. Italy Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 62. Russia Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 63. Middle East & Africa Miniature Infrared Gas Sensor Sales Market Share by Country in 2022

Figure 64. Middle East & Africa Miniature Infrared Gas Sensor Revenue Market Share by Country in 2022

Figure 65. Middle East & Africa Miniature Infrared Gas Sensor Sales Market Share by Type (2018-2023)

Figure 66. Middle East & Africa Miniature Infrared Gas Sensor Sales Market Share by Application (2018-2023)

Figure 67. Egypt Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 68. South Africa Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 69. Israel Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 70. Turkey Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$



Millions)

Figure 71. GCC Country Miniature Infrared Gas Sensor Revenue Growth 2018-2023 (\$ Millions)

Figure 72. Manufacturing Cost Structure Analysis of Miniature Infrared Gas Sensor in 2022

Figure 73. Manufacturing Process Analysis of Miniature Infrared Gas Sensor

Figure 74. Industry Chain Structure of Miniature Infrared Gas Sensor

Figure 75. Channels of Distribution

Figure 76. Global Miniature Infrared Gas Sensor Sales Market Forecast by Region (2024-2029)

Figure 77. Global Miniature Infrared Gas Sensor Revenue Market Share Forecast by Region (2024-2029)

Figure 78. Global Miniature Infrared Gas Sensor Sales Market Share Forecast by Type (2024-2029)

Figure 79. Global Miniature Infrared Gas Sensor Revenue Market Share Forecast by Type (2024-2029)

Figure 80. Global Miniature Infrared Gas Sensor Sales Market Share Forecast by Application (2024-2029)

Figure 81. Global Miniature Infrared Gas Sensor Revenue Market Share Forecast by Application (2024-2029)

## I would like to order

Product name: Global Miniature Infrared Gas Sensor Market Growth 2023-2029

Product link: <https://marketpublishers.com/r/GD2827F54638EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD2827F54638EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970