

# Global Chemical Detection Sensors Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Chemical Detection Sensors market size was valued at US\$ 2316 million in 2025 and is forecast to a readjusted size of US\$ 4054 million by 2032 with a CAGR of 8.3% during review period.

In 2025, global Chemical Detection Sensors production reached approximately 7.5 million units, with an average global market price of around US\$ 300 per unit. Annual production capacity is 8.2 million units. Chemical Detection Sensors are devices that identify, measure, and monitor the presence of chemical substances (gases, vapors, liquids, or particulates) in an environment. The chemical detection sensor industry chain runs from sensing materials and components, through sensor manufacturing and calibration, to system integration and end use in safety, environmental, laboratory, and security applications. Chemical detection sensors are evolving toward multi-analyte, miniaturized, and smart sensing platforms, driven by stricter safety regulations, environmental monitoring needs, and real-time data integration.

This report is a detailed and comprehensive analysis for global Chemical Detection Sensors 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 2025, are provided.

## Key Features:

Global Chemical Detection Sensors market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Chemical Detection Sensors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Chemical Detection Sensors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Chemical Detection Sensors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

### **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 Chemical Detection Sensors

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 Chemical Detection Sensors market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Honeywell Analytics, Drägerwerk AG & Co. KGaA, MSA Safety, Industrial Scientific Corporation, Figaro Engineering Inc., City Technology, Alphasense Ltd., SPEC Sensors, Membrapor AG, Winsen Electronic Co., Ltd., etc.

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

### **Market Segmentation**

Chemical Detection Sensors market is split by Type and by Application. For the period 2021-2032, 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

Electrochemical Sensors

Catalytic Bead Sensors

Infrared (IR) Sensors

Others

## Market segment by Deployment

Fixed / Wall-Mounted Systems

Portable or Handheld Devices

Wearable Sensors

## Market segment by Application

Industrial Facilities

Environmental Monitoring

Laboratories

Oil and Gas Industry

Agriculture

Food and Beverage Industry

Pharmaceutical Industry

Others

## Major players covered

Honeywell Analytics

Drägerwerk AG & Co. KGaA

MSA Safety

Industrial Scientific Corporation

Figaro Engineering Inc.

City Technology

Alphasense Ltd.

SPEC Sensors

Membrapor AG

Winsen Electronic Co., Ltd.

SGX Sensortech (IS) Ltd.

Bosch Sensortec

Dynament Ltd.

Winsensor Technology Co., Ltd.

Riken Keiki Co., Ltd.

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 Chemical Detection Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Chemical Detection Sensors, with price, sales quantity, revenue, and global market share of Chemical Detection Sensors from 2021 to 2026.

Chapter 3, the Chemical Detection Sensors competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Chemical Detection Sensors breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Chemical Detection Sensors market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Chemical Detection Sensors.

Chapter 14 and 15, to describe Chemical Detection Sensors sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Chemical Detection Sensors Consumption Value by Type:  
2021 Versus 2025 Versus 2032

1.3.2 Electrochemical Sensors

1.3.3 Catalytic Bead Sensors

1.3.4 Infrared (IR) Sensors

1.3.5 Others

1.4 Market Analysis by Deployment

1.4.1 Overview: Global Chemical Detection Sensors Consumption Value by  
Deployment: 2021 Versus 2025 Versus 2032

1.4.2 Fixed / Wall-Mounted Systems

1.4.3 Portable or Handheld Devices

1.4.4 Wearable Sensors

1.5 Market Analysis by Application

1.5.1 Overview: Global Chemical Detection Sensors Consumption Value by  
Application: 2021 Versus 2025 Versus 2032

1.5.2 Industrial Facilities

1.5.3 Environmental Monitoring

1.5.4 Laboratories

1.5.5 Oil and Gas Industry

1.5.6 Agriculture

1.5.7 Food and Beverage Industry

1.5.8 Pharmaceutical Industry

1.5.9 Others

1.6 Global Chemical Detection Sensors Market Size & Forecast

1.6.1 Global Chemical Detection Sensors Consumption Value (2021 & 2025 & 2032)

1.6.2 Global Chemical Detection Sensors Sales Quantity (2021-2032)

1.6.3 Global Chemical Detection Sensors Average Price (2021-2032)

### 2 MANUFACTURERS PROFILES

2.1 Honeywell Analytics

2.1.1 Honeywell Analytics Details

- 2.1.2 Honeywell Analytics Major Business
- 2.1.3 Honeywell Analytics Chemical Detection Sensors Product and Services
- 2.1.4 Honeywell Analytics Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Honeywell Analytics Recent Developments/Updates
- 2.2 Drägerwerk AG & Co. KGaA
  - 2.2.1 Drägerwerk AG & Co. KGaA Details
  - 2.2.2 Drägerwerk AG & Co. KGaA Major Business
  - 2.2.3 Drägerwerk AG & Co. KGaA Chemical Detection Sensors Product and Services
  - 2.2.4 Drägerwerk AG & Co. KGaA Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.2.5 Drägerwerk AG & Co. KGaA Recent Developments/Updates
- 2.3 MSA Safety
  - 2.3.1 MSA Safety Details
  - 2.3.2 MSA Safety Major Business
  - 2.3.3 MSA Safety Chemical Detection Sensors Product and Services
  - 2.3.4 MSA Safety Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.3.5 MSA Safety Recent Developments/Updates
- 2.4 Industrial Scientific Corporation
  - 2.4.1 Industrial Scientific Corporation Details
  - 2.4.2 Industrial Scientific Corporation Major Business
  - 2.4.3 Industrial Scientific Corporation Chemical Detection Sensors Product and Services
  - 2.4.4 Industrial Scientific Corporation Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.4.5 Industrial Scientific Corporation Recent Developments/Updates
- 2.5 Figaro Engineering Inc.
  - 2.5.1 Figaro Engineering Inc. Details
  - 2.5.2 Figaro Engineering Inc. Major Business
  - 2.5.3 Figaro Engineering Inc. Chemical Detection Sensors Product and Services
  - 2.5.4 Figaro Engineering Inc. Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.5.5 Figaro Engineering Inc. Recent Developments/Updates
- 2.6 City Technology
  - 2.6.1 City Technology Details
  - 2.6.2 City Technology Major Business
  - 2.6.3 City Technology Chemical Detection Sensors Product and Services
  - 2.6.4 City Technology Chemical Detection Sensors Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 City Technology Recent Developments/Updates

2.7 Alphasense Ltd.

2.7.1 Alphasense Ltd. Details

2.7.2 Alphasense Ltd. Major Business

2.7.3 Alphasense Ltd. Chemical Detection Sensors Product and Services

2.7.4 Alphasense Ltd. Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Alphasense Ltd. Recent Developments/Updates

2.8 SPEC Sensors

2.8.1 SPEC Sensors Details

2.8.2 SPEC Sensors Major Business

2.8.3 SPEC Sensors Chemical Detection Sensors Product and Services

2.8.4 SPEC Sensors Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 SPEC Sensors Recent Developments/Updates

2.9 Membrapor AG

2.9.1 Membrapor AG Details

2.9.2 Membrapor AG Major Business

2.9.3 Membrapor AG Chemical Detection Sensors Product and Services

2.9.4 Membrapor AG Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Membrapor AG Recent Developments/Updates

2.10 Winsen Electronic Co., Ltd.

2.10.1 Winsen Electronic Co., Ltd. Details

2.10.2 Winsen Electronic Co., Ltd. Major Business

2.10.3 Winsen Electronic Co., Ltd. Chemical Detection Sensors Product and Services

2.10.4 Winsen Electronic Co., Ltd. Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Winsen Electronic Co., Ltd. Recent Developments/Updates

2.11 SGX Sensortech (IS) Ltd.

2.11.1 SGX Sensortech (IS) Ltd. Details

2.11.2 SGX Sensortech (IS) Ltd. Major Business

2.11.3 SGX Sensortech (IS) Ltd. Chemical Detection Sensors Product and Services

2.11.4 SGX Sensortech (IS) Ltd. Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 SGX Sensortech (IS) Ltd. Recent Developments/Updates

2.12 Bosch Sensortec

2.12.1 Bosch Sensortec Details

- 2.12.2 Bosch Sensortec Major Business
- 2.12.3 Bosch Sensortec Chemical Detection Sensors Product and Services
- 2.12.4 Bosch Sensortec Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.12.5 Bosch Sensortec Recent Developments/Updates
- 2.13 Dynament Ltd.
  - 2.13.1 Dynament Ltd. Details
  - 2.13.2 Dynament Ltd. Major Business
  - 2.13.3 Dynament Ltd. Chemical Detection Sensors Product and Services
  - 2.13.4 Dynament Ltd. Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.13.5 Dynament Ltd. Recent Developments/Updates
- 2.14 Winsensor Technology Co., Ltd.
  - 2.14.1 Winsensor Technology Co., Ltd. Details
  - 2.14.2 Winsensor Technology Co., Ltd. Major Business
  - 2.14.3 Winsensor Technology Co., Ltd. Chemical Detection Sensors Product and Services
  - 2.14.4 Winsensor Technology Co., Ltd. Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.14.5 Winsensor Technology Co., Ltd. Recent Developments/Updates
- 2.15 Riken Keiki Co., Ltd.
  - 2.15.1 Riken Keiki Co., Ltd. Details
  - 2.15.2 Riken Keiki Co., Ltd. Major Business
  - 2.15.3 Riken Keiki Co., Ltd. Chemical Detection Sensors Product and Services
  - 2.15.4 Riken Keiki Co., Ltd. Chemical Detection Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.15.5 Riken Keiki Co., Ltd. Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: CHEMICAL DETECTION SENSORS BY MANUFACTURER**

- 3.1 Global Chemical Detection Sensors Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Chemical Detection Sensors Revenue by Manufacturer (2021-2026)
- 3.3 Global Chemical Detection Sensors Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
  - 3.4.1 Producer Shipments of Chemical Detection Sensors by Manufacturer Revenue (\$MM) and Market Share (%): 2025
  - 3.4.2 Top 3 Chemical Detection Sensors Manufacturer Market Share in 2025
  - 3.4.3 Top 6 Chemical Detection Sensors Manufacturer Market Share in 2025

- 3.5 Chemical Detection Sensors Market: Overall Company Footprint Analysis
  - 3.5.1 Chemical Detection Sensors Market: Region Footprint
  - 3.5.2 Chemical Detection Sensors Market: Company Product Type Footprint
  - 3.5.3 Chemical Detection Sensors 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 Chemical Detection Sensors Market Size by Region
  - 4.1.1 Global Chemical Detection Sensors Sales Quantity by Region (2021-2032)
  - 4.1.2 Global Chemical Detection Sensors Consumption Value by Region (2021-2032)
  - 4.1.3 Global Chemical Detection Sensors Average Price by Region (2021-2032)
- 4.2 North America Chemical Detection Sensors Consumption Value (2021-2032)
- 4.3 Europe Chemical Detection Sensors Consumption Value (2021-2032)
- 4.4 Asia-Pacific Chemical Detection Sensors Consumption Value (2021-2032)
- 4.5 South America Chemical Detection Sensors Consumption Value (2021-2032)
- 4.6 Middle East & Africa Chemical Detection Sensors Consumption Value (2021-2032)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Chemical Detection Sensors Sales Quantity by Type (2021-2032)
- 5.2 Global Chemical Detection Sensors Consumption Value by Type (2021-2032)
- 5.3 Global Chemical Detection Sensors Average Price by Type (2021-2032)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Chemical Detection Sensors Sales Quantity by Application (2021-2032)
- 6.2 Global Chemical Detection Sensors Consumption Value by Application (2021-2032)
- 6.3 Global Chemical Detection Sensors Average Price by Application (2021-2032)

## **7 NORTH AMERICA**

- 7.1 North America Chemical Detection Sensors Sales Quantity by Type (2021-2032)
- 7.2 North America Chemical Detection Sensors Sales Quantity by Application (2021-2032)
- 7.3 North America Chemical Detection Sensors Market Size by Country
  - 7.3.1 North America Chemical Detection Sensors Sales Quantity by Country (2021-2032)

7.3.2 North America Chemical Detection Sensors Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

## **8 EUROPE**

8.1 Europe Chemical Detection Sensors Sales Quantity by Type (2021-2032)

8.2 Europe Chemical Detection Sensors Sales Quantity by Application (2021-2032)

8.3 Europe Chemical Detection Sensors Market Size by Country

8.3.1 Europe Chemical Detection Sensors Sales Quantity by Country (2021-2032)

8.3.2 Europe Chemical Detection Sensors Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Chemical Detection Sensors Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Chemical Detection Sensors Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Chemical Detection Sensors Market Size by Region

9.3.1 Asia-Pacific Chemical Detection Sensors Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Chemical Detection Sensors Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

## **10 SOUTH AMERICA**

10.1 South America Chemical Detection Sensors Sales Quantity by Type (2021-2032)

10.2 South America Chemical Detection Sensors Sales Quantity by Application

(2021-2032)

10.3 South America Chemical Detection Sensors Market Size by Country

10.3.1 South America Chemical Detection Sensors Sales Quantity by Country

(2021-2032)

10.3.2 South America Chemical Detection Sensors Consumption Value by Country

(2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Chemical Detection Sensors Sales Quantity by Type

(2021-2032)

11.2 Middle East & Africa Chemical Detection Sensors Sales Quantity by Application

(2021-2032)

11.3 Middle East & Africa Chemical Detection Sensors Market Size by Country

11.3.1 Middle East & Africa Chemical Detection Sensors Sales Quantity by Country

(2021-2032)

11.3.2 Middle East & Africa Chemical Detection Sensors Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

## **12 MARKET DYNAMICS**

12.1 Chemical Detection Sensors Market Drivers

12.2 Chemical Detection Sensors Market Restraints

12.3 Chemical Detection Sensors 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

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

- 13.1 Raw Material of Chemical Detection Sensors and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Chemical Detection Sensors
- 13.3 Chemical Detection Sensors Production Process
- 13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Chemical Detection Sensors Typical Distributors
- 14.3 Chemical Detection Sensors 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 Chemical Detection Sensors Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Chemical Detection Sensors Consumption Value by Deployment, (USD Million), 2021 & 2025 & 2032

Table 3. Global Chemical Detection Sensors Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 4. Honeywell Analytics Basic Information, Manufacturing Base and Competitors

Table 5. Honeywell Analytics Major Business

Table 6. Honeywell Analytics Chemical Detection Sensors Product and Services

Table 7. Honeywell Analytics Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 8. Honeywell Analytics Recent Developments/Updates

Table 9. Drägerwerk AG & Co. KGaA Basic Information, Manufacturing Base and Competitors

Table 10. Drägerwerk AG & Co. KGaA Major Business

Table 11. Drägerwerk AG & Co. KGaA Chemical Detection Sensors Product and Services

Table 12. Drägerwerk AG & Co. KGaA Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 13. Drägerwerk AG & Co. KGaA Recent Developments/Updates

Table 14. MSA Safety Basic Information, Manufacturing Base and Competitors

Table 15. MSA Safety Major Business

Table 16. MSA Safety Chemical Detection Sensors Product and Services

Table 17. MSA Safety Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 18. MSA Safety Recent Developments/Updates

Table 19. Industrial Scientific Corporation Basic Information, Manufacturing Base and Competitors

Table 20. Industrial Scientific Corporation Major Business

Table 21. Industrial Scientific Corporation Chemical Detection Sensors Product and Services

Table 22. Industrial Scientific Corporation Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market

Share (2021-2026)

Table 23. Industrial Scientific Corporation Recent Developments/Updates

Table 24. Figaro Engineering Inc. Basic Information, Manufacturing Base and Competitors

Table 25. Figaro Engineering Inc. Major Business

Table 26. Figaro Engineering Inc. Chemical Detection Sensors Product and Services

Table 27. Figaro Engineering Inc. Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 28. Figaro Engineering Inc. Recent Developments/Updates

Table 29. City Technology Basic Information, Manufacturing Base and Competitors

Table 30. City Technology Major Business

Table 31. City Technology Chemical Detection Sensors Product and Services

Table 32. City Technology Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 33. City Technology Recent Developments/Updates

Table 34. Alphasense Ltd. Basic Information, Manufacturing Base and Competitors

Table 35. Alphasense Ltd. Major Business

Table 36. Alphasense Ltd. Chemical Detection Sensors Product and Services

Table 37. Alphasense Ltd. Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 38. Alphasense Ltd. Recent Developments/Updates

Table 39. SPEC Sensors Basic Information, Manufacturing Base and Competitors

Table 40. SPEC Sensors Major Business

Table 41. SPEC Sensors Chemical Detection Sensors Product and Services

Table 42. SPEC Sensors Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 43. SPEC Sensors Recent Developments/Updates

Table 44. Membrapor AG Basic Information, Manufacturing Base and Competitors

Table 45. Membrapor AG Major Business

Table 46. Membrapor AG Chemical Detection Sensors Product and Services

Table 47. Membrapor AG Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 48. Membrapor AG Recent Developments/Updates

Table 49. Winsen Electronic Co., Ltd. Basic Information, Manufacturing Base and

## Competitors

Table 50. Winsen Electronic Co., Ltd. Major Business

Table 51. Winsen Electronic Co., Ltd. Chemical Detection Sensors Product and Services

Table 52. Winsen Electronic Co., Ltd. Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 53. Winsen Electronic Co., Ltd. Recent Developments/Updates

Table 54. SGX Sensortech (IS) Ltd. Basic Information, Manufacturing Base and Competitors

Table 55. SGX Sensortech (IS) Ltd. Major Business

Table 56. SGX Sensortech (IS) Ltd. Chemical Detection Sensors Product and Services

Table 57. SGX Sensortech (IS) Ltd. Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 58. SGX Sensortech (IS) Ltd. Recent Developments/Updates

Table 59. Bosch Sensortec Basic Information, Manufacturing Base and Competitors

Table 60. Bosch Sensortec Major Business

Table 61. Bosch Sensortec Chemical Detection Sensors Product and Services

Table 62. Bosch Sensortec Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 63. Bosch Sensortec Recent Developments/Updates

Table 64. Dynament Ltd. Basic Information, Manufacturing Base and Competitors

Table 65. Dynament Ltd. Major Business

Table 66. Dynament Ltd. Chemical Detection Sensors Product and Services

Table 67. Dynament Ltd. Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 68. Dynament Ltd. Recent Developments/Updates

Table 69. Winsensor Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 70. Winsensor Technology Co., Ltd. Major Business

Table 71. Winsensor Technology Co., Ltd. Chemical Detection Sensors Product and Services

Table 72. Winsensor Technology Co., Ltd. Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 73. Winsensor Technology Co., Ltd. Recent Developments/Updates

Table 74. Riken Keiki Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 75. Riken Keiki Co., Ltd. Major Business

Table 76. Riken Keiki Co., Ltd. Chemical Detection Sensors Product and Services

Table 77. Riken Keiki Co., Ltd. Chemical Detection Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Riken Keiki Co., Ltd. Recent Developments/Updates

Table 79. Global Chemical Detection Sensors Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 80. Global Chemical Detection Sensors Revenue by Manufacturer (2021-2026) & (USD Million)

Table 81. Global Chemical Detection Sensors Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 82. Market Position of Manufacturers in Chemical Detection Sensors, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 83. Head Office and Chemical Detection Sensors Production Site of Key Manufacturer

Table 84. Chemical Detection Sensors Market: Company Product Type Footprint

Table 85. Chemical Detection Sensors Market: Company Product Application Footprint

Table 86. Chemical Detection Sensors New Market Entrants and Barriers to Market Entry

Table 87. Chemical Detection Sensors Mergers, Acquisition, Agreements, and Collaborations

Table 88. Global Chemical Detection Sensors Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 89. Global Chemical Detection Sensors Sales Quantity by Region (2021-2026) & (K Units)

Table 90. Global Chemical Detection Sensors Sales Quantity by Region (2027-2032) & (K Units)

Table 91. Global Chemical Detection Sensors Consumption Value by Region (2021-2026) & (USD Million)

Table 92. Global Chemical Detection Sensors Consumption Value by Region (2027-2032) & (USD Million)

Table 93. Global Chemical Detection Sensors Average Price by Region (2021-2026) & (US\$/Unit)

Table 94. Global Chemical Detection Sensors Average Price by Region (2027-2032) & (US\$/Unit)

Table 95. Global Chemical Detection Sensors Sales Quantity by Type (2021-2026) & (K Units)

Table 96. Global Chemical Detection Sensors Sales Quantity by Type (2027-2032) & (K Units)

Table 97. Global Chemical Detection Sensors Consumption Value by Type (2021-2026) & (USD Million)

Table 98. Global Chemical Detection Sensors Consumption Value by Type (2027-2032) & (USD Million)

Table 99. Global Chemical Detection Sensors Average Price by Type (2021-2026) & (US\$/Unit)

Table 100. Global Chemical Detection Sensors Average Price by Type (2027-2032) & (US\$/Unit)

Table 101. Global Chemical Detection Sensors Sales Quantity by Application (2021-2026) & (K Units)

Table 102. Global Chemical Detection Sensors Sales Quantity by Application (2027-2032) & (K Units)

Table 103. Global Chemical Detection Sensors Consumption Value by Application (2021-2026) & (USD Million)

Table 104. Global Chemical Detection Sensors Consumption Value by Application (2027-2032) & (USD Million)

Table 105. Global Chemical Detection Sensors Average Price by Application (2021-2026) & (US\$/Unit)

Table 106. Global Chemical Detection Sensors Average Price by Application (2027-2032) & (US\$/Unit)

Table 107. North America Chemical Detection Sensors Sales Quantity by Type (2021-2026) & (K Units)

Table 108. North America Chemical Detection Sensors Sales Quantity by Type (2027-2032) & (K Units)

Table 109. North America Chemical Detection Sensors Sales Quantity by Application (2021-2026) & (K Units)

Table 110. North America Chemical Detection Sensors Sales Quantity by Application (2027-2032) & (K Units)

Table 111. North America Chemical Detection Sensors Sales Quantity by Country (2021-2026) & (K Units)

Table 112. North America Chemical Detection Sensors Sales Quantity by Country (2027-2032) & (K Units)

Table 113. North America Chemical Detection Sensors Consumption Value by Country (2021-2026) & (USD Million)

Table 114. North America Chemical Detection Sensors Consumption Value by Country (2027-2032) & (USD Million)

Table 115. Europe Chemical Detection Sensors Sales Quantity by Type (2021-2026) &

(K Units)

Table 116. Europe Chemical Detection Sensors Sales Quantity by Type (2027-2032) & (K Units)

Table 117. Europe Chemical Detection Sensors Sales Quantity by Application (2021-2026) & (K Units)

Table 118. Europe Chemical Detection Sensors Sales Quantity by Application (2027-2032) & (K Units)

Table 119. Europe Chemical Detection Sensors Sales Quantity by Country (2021-2026) & (K Units)

Table 120. Europe Chemical Detection Sensors Sales Quantity by Country (2027-2032) & (K Units)

Table 121. Europe Chemical Detection Sensors Consumption Value by Country (2021-2026) & (USD Million)

Table 122. Europe Chemical Detection Sensors Consumption Value by Country (2027-2032) & (USD Million)

Table 123. Asia-Pacific Chemical Detection Sensors Sales Quantity by Type (2021-2026) & (K Units)

Table 124. Asia-Pacific Chemical Detection Sensors Sales Quantity by Type (2027-2032) & (K Units)

Table 125. Asia-Pacific Chemical Detection Sensors Sales Quantity by Application (2021-2026) & (K Units)

Table 126. Asia-Pacific Chemical Detection Sensors Sales Quantity by Application (2027-2032) & (K Units)

Table 127. Asia-Pacific Chemical Detection Sensors Sales Quantity by Region (2021-2026) & (K Units)

Table 128. Asia-Pacific Chemical Detection Sensors Sales Quantity by Region (2027-2032) & (K Units)

Table 129. Asia-Pacific Chemical Detection Sensors Consumption Value by Region (2021-2026) & (USD Million)

Table 130. Asia-Pacific Chemical Detection Sensors Consumption Value by Region (2027-2032) & (USD Million)

Table 131. South America Chemical Detection Sensors Sales Quantity by Type (2021-2026) & (K Units)

Table 132. South America Chemical Detection Sensors Sales Quantity by Type (2027-2032) & (K Units)

Table 133. South America Chemical Detection Sensors Sales Quantity by Application (2021-2026) & (K Units)

Table 134. South America Chemical Detection Sensors Sales Quantity by Application (2027-2032) & (K Units)

Table 135. South America Chemical Detection Sensors Sales Quantity by Country (2021-2026) & (K Units)

Table 136. South America Chemical Detection Sensors Sales Quantity by Country (2027-2032) & (K Units)

Table 137. South America Chemical Detection Sensors Consumption Value by Country (2021-2026) & (USD Million)

Table 138. South America Chemical Detection Sensors Consumption Value by Country (2027-2032) & (USD Million)

Table 139. Middle East & Africa Chemical Detection Sensors Sales Quantity by Type (2021-2026) & (K Units)

Table 140. Middle East & Africa Chemical Detection Sensors Sales Quantity by Type (2027-2032) & (K Units)

Table 141. Middle East & Africa Chemical Detection Sensors Sales Quantity by Application (2021-2026) & (K Units)

Table 142. Middle East & Africa Chemical Detection Sensors Sales Quantity by Application (2027-2032) & (K Units)

Table 143. Middle East & Africa Chemical Detection Sensors Sales Quantity by Country (2021-2026) & (K Units)

Table 144. Middle East & Africa Chemical Detection Sensors Sales Quantity by Country (2027-2032) & (K Units)

Table 145. Middle East & Africa Chemical Detection Sensors Consumption Value by Country (2021-2026) & (USD Million)

Table 146. Middle East & Africa Chemical Detection Sensors Consumption Value by Country (2027-2032) & (USD Million)

Table 147. Chemical Detection Sensors Raw Material

Table 148. Key Manufacturers of Chemical Detection Sensors Raw Materials

Table 149. Chemical Detection Sensors Typical Distributors

Table 150. Chemical Detection Sensors Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Chemical Detection Sensors Picture
- Figure 2. Global Chemical Detection Sensors Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Chemical Detection Sensors Revenue Market Share by Type in 2025
- Figure 4. Electrochemical Sensors Examples
- Figure 5. Catalytic Bead Sensors Examples
- Figure 6. Infrared (IR) Sensors Examples
- Figure 7. Others Examples
- Figure 8. Global Chemical Detection Sensors Revenue by Deployment, (USD Million), 2021 & 2025 & 2032
- Figure 9. Global Chemical Detection Sensors Revenue Market Share by Deployment in 2025
- Figure 10. Fixed / Wall-Mounted Systems Examples
- Figure 11. Portable or Handheld Devices Examples
- Figure 12. Wearable Sensors Examples
- Figure 13. Global Chemical Detection Sensors Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 14. Global Chemical Detection Sensors Revenue Market Share by Application in 2025
- Figure 15. Industrial Facilities Examples
- Figure 16. Environmental Monitoring Examples
- Figure 17. Laboratories Examples
- Figure 18. Oil and Gas Industry Examples
- Figure 19. Agriculture Examples
- Figure 20. Food and Beverage Industry Examples
- Figure 21. Pharmaceutical Industry Examples
- Figure 22. Others Examples
- Figure 23. Others Examples
- Figure 24. Global Chemical Detection Sensors Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 25. Global Chemical Detection Sensors Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 26. Global Chemical Detection Sensors Sales Quantity (2021-2032) & (K Units)
- Figure 27. Global Chemical Detection Sensors Price (2021-2032) & (US\$/Unit)
- Figure 28. Global Chemical Detection Sensors Sales Quantity Market Share by

Manufacturer in 2025

Figure 29. Global Chemical Detection Sensors Revenue Market Share by Manufacturer in 2025

Figure 30. Producer Shipments of Chemical Detection Sensors by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 31. Top 3 Chemical Detection Sensors Manufacturer (Revenue) Market Share in 2025

Figure 32. Top 6 Chemical Detection Sensors Manufacturer (Revenue) Market Share in 2025

Figure 33. Global Chemical Detection Sensors Sales Quantity Market Share by Region (2021-2032)

Figure 34. Global Chemical Detection Sensors Consumption Value Market Share by Region (2021-2032)

Figure 35. North America Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 36. Europe Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 37. Asia-Pacific Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 38. South America Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 39. Middle East & Africa Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 40. Global Chemical Detection Sensors Sales Quantity Market Share by Type (2021-2032)

Figure 41. Global Chemical Detection Sensors Consumption Value Market Share by Type (2021-2032)

Figure 42. Global Chemical Detection Sensors Average Price by Type (2021-2032) & (US\$/Unit)

Figure 43. Global Chemical Detection Sensors Sales Quantity Market Share by Application (2021-2032)

Figure 44. Global Chemical Detection Sensors Revenue Market Share by Application (2021-2032)

Figure 45. Global Chemical Detection Sensors Average Price by Application (2021-2032) & (US\$/Unit)

Figure 46. North America Chemical Detection Sensors Sales Quantity Market Share by Type (2021-2032)

Figure 47. North America Chemical Detection Sensors Sales Quantity Market Share by Application (2021-2032)

Figure 48. North America Chemical Detection Sensors Sales Quantity Market Share by Country (2021-2032)

Figure 49. North America Chemical Detection Sensors Consumption Value Market Share by Country (2021-2032)

Figure 50. United States Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 51. Canada Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 52. Mexico Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 53. Europe Chemical Detection Sensors Sales Quantity Market Share by Type (2021-2032)

Figure 54. Europe Chemical Detection Sensors Sales Quantity Market Share by Application (2021-2032)

Figure 55. Europe Chemical Detection Sensors Sales Quantity Market Share by Country (2021-2032)

Figure 56. Europe Chemical Detection Sensors Consumption Value Market Share by Country (2021-2032)

Figure 57. Germany Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 58. France Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 59. United Kingdom Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 60. Russia Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 61. Italy Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 62. Asia-Pacific Chemical Detection Sensors Sales Quantity Market Share by Type (2021-2032)

Figure 63. Asia-Pacific Chemical Detection Sensors Sales Quantity Market Share by Application (2021-2032)

Figure 64. Asia-Pacific Chemical Detection Sensors Sales Quantity Market Share by Region (2021-2032)

Figure 65. Asia-Pacific Chemical Detection Sensors Consumption Value Market Share by Region (2021-2032)

Figure 66. China Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 67. Japan Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Million)

Figure 68. South Korea Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 69. India Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 70. Southeast Asia Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 71. Australia Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 72. South America Chemical Detection Sensors Sales Quantity Market Share by Type (2021-2032)

Figure 73. South America Chemical Detection Sensors Sales Quantity Market Share by Application (2021-2032)

Figure 74. South America Chemical Detection Sensors Sales Quantity Market Share by Country (2021-2032)

Figure 75. South America Chemical Detection Sensors Consumption Value Market Share by Country (2021-2032)

Figure 76. Brazil Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 77. Argentina Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 78. Middle East & Africa Chemical Detection Sensors Sales Quantity Market Share by Type (2021-2032)

Figure 79. Middle East & Africa Chemical Detection Sensors Sales Quantity Market Share by Application (2021-2032)

Figure 80. Middle East & Africa Chemical Detection Sensors Sales Quantity Market Share by Country (2021-2032)

Figure 81. Middle East & Africa Chemical Detection Sensors Consumption Value Market Share by Country (2021-2032)

Figure 82. Turkey Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 83. Egypt Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 84. Saudi Arabia Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 85. South Africa Chemical Detection Sensors Consumption Value (2021-2032) & (USD Million)

Figure 86. Chemical Detection Sensors Market Drivers

Figure 87. Chemical Detection Sensors Market Restraints

Figure 88. Chemical Detection Sensors Market Trends

Figure 89. Porters Five Forces Analysis

Figure 90. Manufacturing Cost Structure Analysis of Chemical Detection Sensors in 2025

Figure 91. Manufacturing Process Analysis of Chemical Detection Sensors

Figure 92. Chemical Detection Sensors Industrial Chain

Figure 93. Sales Channel: Direct to End-User vs Distributors

Figure 94. Direct Channel Pros & Cons

Figure 95. Indirect Channel Pros & Cons

Figure 96. Methodology

Figure 97. Research Process and Data Source

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