

# Global Digital Gas Detectors Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Digital Gas Detectors market size is expected to reach \$ 5930 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

Digital gas detectors are safety monitoring devices that use sensors to detect the concentration of combustible, toxic, or harmful gases or oxygen, and display, record, and alarm digitally in real time. They feature intuitive readings, fast response, and ease of networking and data management.

Upstream components mainly include gas sensors, MCUs/chips, displays, batteries, housings, pumps and valves, filters, and calibration gases. Downstream applications primarily target the petrochemical, gas, mining, metallurgy, power, environmental protection, municipal, fire protection, warehousing, and industrial manufacturing sectors.

The global unit price of a digital gas detector is \$1100, with annual sales of approximately 3.49 million units and a global production capacity of 5 million units. The industry profit margin is 20%.

The future digital gas detector market will develop towards intelligence, networking, multi-parameter integration, and scenario customization. On the one hand, increasing requirements for industrial safety, environmental regulations, and confined space operation management will drive the continuous upgrading of fixed, portable, and wearable detection equipment. On the other hand, products will increasingly integrate wireless communication, cloud platforms, remote calibration, predictive maintenance, and data traceability functions to improve safety management efficiency. Meanwhile, specialized testing solutions for emerging applications such as hydrogen energy, energy storage, battery manufacturing, semiconductors, and cold chain will also become an

important growth area.

This report studies the global Digital Gas Detectors production, demand, key manufacturers, and key regions.

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

### **Highlights and key features of the study**

Global Digital Gas Detectors total production and demand, 2021-2032, (K Units)

Global Digital Gas Detectors total production value, 2021-2032, (USD Million)

Global Digital Gas Detectors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Digital Gas Detectors consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Digital Gas Detectors domestic production, consumption, key domestic manufacturers and share

Global Digital Gas Detectors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Digital Gas Detectors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Digital Gas Detectors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Digital Gas 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 Honeywell, MSA Safety, Industrial Scientific, Hikvision, Danfoss, Emerson, Drager, FLIR, Fluke, Halma, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Digital Gas Detectors market

## Detailed Segmentation:

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

### Global Digital Gas Detectors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Digital Gas Detectors Market, Segmentation by Type:

Fixed

Portable

### Global Digital Gas Detectors Market, Segmentation by Gas Detection:

Combustible Gas Detector

Toxic Gas Detector

Oxygen Detector

Volatile Organic Compound Detector

Global Digital Gas Detectors Market, Segmentation by Number of Gases Detectable:

Single Gas Detector

Multi-Gas Detector

Global Digital Gas Detectors Market, Segmentation by Application:

Residential

Commercial

Industrial

Medical

Companies Profiled:

Honeywell

MSA Safety

Industrial Scientific

Hikvision

Danfoss

Emerson

Drager

FLIR

Fluke

Halma

Hanwei Electronics Group

Guide Infrared

Opgal

Viper Imaging

Peiport

Raythink

Crowcon

Raytron Technology

Dahua Technology

Sensit

**Key Questions Answered:**

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

## Contents

### 1 SUPPLY SUMMARY

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

### 2 DEMAND SUMMARY

- 2.1 World Digital Gas Detectors Demand (2021-2032)
- 2.2 World Digital Gas Detectors Consumption by Region
  - 2.2.1 World Digital Gas Detectors Consumption by Region (2021-2026)
  - 2.2.2 World Digital Gas Detectors Consumption Forecast by Region (2027-2032)
- 2.3 United States Digital Gas Detectors Consumption (2021-2032)
- 2.4 China Digital Gas Detectors Consumption (2021-2032)
- 2.5 Europe Digital Gas Detectors Consumption (2021-2032)
- 2.6 Japan Digital Gas Detectors Consumption (2021-2032)
- 2.7 South Korea Digital Gas Detectors Consumption (2021-2032)
- 2.8 ASEAN Digital Gas Detectors Consumption (2021-2032)
- 2.9 India Digital Gas Detectors Consumption (2021-2032)

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Digital Gas Detectors Production Value by Manufacturer (2021-2026)

- 3.2 World Digital Gas Detectors Production by Manufacturer (2021-2026)
- 3.3 World Digital Gas Detectors Average Price by Manufacturer (2021-2026)
- 3.4 Digital Gas Detectors Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Digital Gas Detectors Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Digital Gas Detectors in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for Digital Gas Detectors in 2025
- 3.6 Digital Gas Detectors Market: Overall Company Footprint Analysis
  - 3.6.1 Digital Gas Detectors Market: Region Footprint
  - 3.6.2 Digital Gas Detectors Market: Company Product Type Footprint
  - 3.6.3 Digital Gas Detectors Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

## **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: Digital Gas Detectors Production Value Comparison
  - 4.1.1 United States VS China: Digital Gas Detectors Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: Digital Gas Detectors Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Digital Gas Detectors Production Comparison
  - 4.2.1 United States VS China: Digital Gas Detectors Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: Digital Gas Detectors Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Digital Gas Detectors Consumption Comparison
  - 4.3.1 United States VS China: Digital Gas Detectors Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: Digital Gas Detectors Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Digital Gas Detectors Manufacturers and Market Share, 2021-2026
  - 4.4.1 United States Based Digital Gas Detectors Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Digital Gas Detectors Production Value (2021-2026)

4.4.3 United States Based Manufacturers Digital Gas Detectors Production (2021-2026)

4.5 China Based Digital Gas Detectors Manufacturers and Market Share

4.5.1 China Based Digital Gas Detectors Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Digital Gas Detectors Production Value (2021-2026)

4.5.3 China Based Manufacturers Digital Gas Detectors Production (2021-2026)

4.6 Rest of World Based Digital Gas Detectors Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Digital Gas Detectors Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Digital Gas Detectors Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Digital Gas Detectors Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Digital Gas Detectors Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Fixed

5.2.2 Portable

5.3 Market Segment by Type

5.3.1 World Digital Gas Detectors Production by Type (2021-2032)

5.3.2 World Digital Gas Detectors Production Value by Type (2021-2032)

5.3.3 World Digital Gas Detectors Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY GAS DETECTION**

6.1 World Digital Gas Detectors Market Size Overview by Gas Detection: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Gas Detection

6.2.1 Combustible Gas Detector

6.2.2 Toxic Gas Detector

6.2.3 Oxygen Detector

6.2.4 Volatile Organic Compound Detector

6.3 Market Segment by Gas Detection

- 6.3.1 World Digital Gas Detectors Production by Gas Detection (2021-2032)
- 6.3.2 World Digital Gas Detectors Production Value by Gas Detection (2021-2032)
- 6.3.3 World Digital Gas Detectors Average Price by Gas Detection (2021-2032)

## **7 MARKET ANALYSIS BY NUMBER OF GASES DETECTABLE**

- 7.1 World Digital Gas Detectors Market Size Overview by Number of Gases Detectable: 2021 VS 2025 VS 2032
- 7.2 Segment Introduction by Number of Gases Detectable
  - 7.2.1 Single Gas Detector
  - 7.2.2 Multi-Gas Detector
- 7.3 Market Segment by Number of Gases Detectable
  - 7.3.1 World Digital Gas Detectors Production by Number of Gases Detectable (2021-2032)
  - 7.3.2 World Digital Gas Detectors Production Value by Number of Gases Detectable (2021-2032)
  - 7.3.3 World Digital Gas Detectors Average Price by Number of Gases Detectable (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

- 8.1 World Digital Gas Detectors Market Size Overview by Application: 2021 VS 2025 VS 2032
- 8.2 Segment Introduction by Application
  - 8.2.1 Residential
  - 8.2.2 Commercial
  - 8.2.3 Industrial
  - 8.2.4 Medical
- 8.3 Market Segment by Application
  - 8.3.1 World Digital Gas Detectors Production by Application (2021-2032)
  - 8.3.2 World Digital Gas Detectors Production Value by Application (2021-2032)
  - 8.3.3 World Digital Gas Detectors Average Price by Application (2021-2032)

## **9 COMPANY PROFILES**

- 9.1 Honeywell
  - 9.1.1 Honeywell Details
  - 9.1.2 Honeywell Major Business
  - 9.1.3 Honeywell Digital Gas Detectors Product and Services

9.1.4 Honeywell Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Honeywell Recent Developments/Updates

9.1.6 Honeywell Competitive Strengths & Weaknesses

9.2 MSA Safety

9.2.1 MSA Safety Details

9.2.2 MSA Safety Major Business

9.2.3 MSA Safety Digital Gas Detectors Product and Services

9.2.4 MSA Safety Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 MSA Safety Recent Developments/Updates

9.2.6 MSA Safety Competitive Strengths & Weaknesses

9.3 Industrial Scientific

9.3.1 Industrial Scientific Details

9.3.2 Industrial Scientific Major Business

9.3.3 Industrial Scientific Digital Gas Detectors Product and Services

9.3.4 Industrial Scientific Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Industrial Scientific Recent Developments/Updates

9.3.6 Industrial Scientific Competitive Strengths & Weaknesses

9.4 Hikvision

9.4.1 Hikvision Details

9.4.2 Hikvision Major Business

9.4.3 Hikvision Digital Gas Detectors Product and Services

9.4.4 Hikvision Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Hikvision Recent Developments/Updates

9.4.6 Hikvision Competitive Strengths & Weaknesses

9.5 Danfoss

9.5.1 Danfoss Details

9.5.2 Danfoss Major Business

9.5.3 Danfoss Digital Gas Detectors Product and Services

9.5.4 Danfoss Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Danfoss Recent Developments/Updates

9.5.6 Danfoss Competitive Strengths & Weaknesses

9.6 Emerson

9.6.1 Emerson Details

9.6.2 Emerson Major Business

- 9.6.3 Emerson Digital Gas Detectors Product and Services
- 9.6.4 Emerson Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.6.5 Emerson Recent Developments/Updates
- 9.6.6 Emerson Competitive Strengths & Weaknesses
- 9.7 Drager
  - 9.7.1 Drager Details
  - 9.7.2 Drager Major Business
  - 9.7.3 Drager Digital Gas Detectors Product and Services
  - 9.7.4 Drager Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.7.5 Drager Recent Developments/Updates
  - 9.7.6 Drager Competitive Strengths & Weaknesses
- 9.8 FLIR
  - 9.8.1 FLIR Details
  - 9.8.2 FLIR Major Business
  - 9.8.3 FLIR Digital Gas Detectors Product and Services
  - 9.8.4 FLIR Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.8.5 FLIR Recent Developments/Updates
  - 9.8.6 FLIR Competitive Strengths & Weaknesses
- 9.9 Fluke
  - 9.9.1 Fluke Details
  - 9.9.2 Fluke Major Business
  - 9.9.3 Fluke Digital Gas Detectors Product and Services
  - 9.9.4 Fluke Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.9.5 Fluke Recent Developments/Updates
  - 9.9.6 Fluke Competitive Strengths & Weaknesses
- 9.10 Halma
  - 9.10.1 Halma Details
  - 9.10.2 Halma Major Business
  - 9.10.3 Halma Digital Gas Detectors Product and Services
  - 9.10.4 Halma Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.10.5 Halma Recent Developments/Updates
  - 9.10.6 Halma Competitive Strengths & Weaknesses
- 9.11 Hanwei Electronics Group
  - 9.11.1 Hanwei Electronics Group Details

- 9.11.2 Hanwei Electronics Group Major Business
- 9.11.3 Hanwei Electronics Group Digital Gas Detectors Product and Services
- 9.11.4 Hanwei Electronics Group Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.11.5 Hanwei Electronics Group Recent Developments/Updates
- 9.11.6 Hanwei Electronics Group Competitive Strengths & Weaknesses
- 9.12 Guide Infrared
  - 9.12.1 Guide Infrared Details
  - 9.12.2 Guide Infrared Major Business
  - 9.12.3 Guide Infrared Digital Gas Detectors Product and Services
  - 9.12.4 Guide Infrared Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.12.5 Guide Infrared Recent Developments/Updates
  - 9.12.6 Guide Infrared Competitive Strengths & Weaknesses
- 9.13 Opgal
  - 9.13.1 Opgal Details
  - 9.13.2 Opgal Major Business
  - 9.13.3 Opgal Digital Gas Detectors Product and Services
  - 9.13.4 Opgal Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.13.5 Opgal Recent Developments/Updates
  - 9.13.6 Opgal Competitive Strengths & Weaknesses
- 9.14 Viper Imaging
  - 9.14.1 Viper Imaging Details
  - 9.14.2 Viper Imaging Major Business
  - 9.14.3 Viper Imaging Digital Gas Detectors Product and Services
  - 9.14.4 Viper Imaging Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.14.5 Viper Imaging Recent Developments/Updates
  - 9.14.6 Viper Imaging Competitive Strengths & Weaknesses
- 9.15 Peiport
  - 9.15.1 Peiport Details
  - 9.15.2 Peiport Major Business
  - 9.15.3 Peiport Digital Gas Detectors Product and Services
  - 9.15.4 Peiport Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.15.5 Peiport Recent Developments/Updates
  - 9.15.6 Peiport Competitive Strengths & Weaknesses
- 9.16 Raythink

- 9.16.1 Raythink Details
- 9.16.2 Raythink Major Business
- 9.16.3 Raythink Digital Gas Detectors Product and Services
- 9.16.4 Raythink Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.16.5 Raythink Recent Developments/Updates
- 9.16.6 Raythink Competitive Strengths & Weaknesses
- 9.17 Crowcon
  - 9.17.1 Crowcon Details
  - 9.17.2 Crowcon Major Business
  - 9.17.3 Crowcon Digital Gas Detectors Product and Services
  - 9.17.4 Crowcon Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.17.5 Crowcon Recent Developments/Updates
  - 9.17.6 Crowcon Competitive Strengths & Weaknesses
- 9.18 Raytron Technology
  - 9.18.1 Raytron Technology Details
  - 9.18.2 Raytron Technology Major Business
  - 9.18.3 Raytron Technology Digital Gas Detectors Product and Services
  - 9.18.4 Raytron Technology Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.18.5 Raytron Technology Recent Developments/Updates
  - 9.18.6 Raytron Technology Competitive Strengths & Weaknesses
- 9.19 Dahua Technology
  - 9.19.1 Dahua Technology Details
  - 9.19.2 Dahua Technology Major Business
  - 9.19.3 Dahua Technology Digital Gas Detectors Product and Services
  - 9.19.4 Dahua Technology Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.19.5 Dahua Technology Recent Developments/Updates
  - 9.19.6 Dahua Technology Competitive Strengths & Weaknesses
- 9.20 Sensit
  - 9.20.1 Sensit Details
  - 9.20.2 Sensit Major Business
  - 9.20.3 Sensit Digital Gas Detectors Product and Services
  - 9.20.4 Sensit Digital Gas Detectors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.20.5 Sensit Recent Developments/Updates
  - 9.20.6 Sensit Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

10.1 Digital Gas Detectors Industry Chain

10.2 Digital Gas Detectors Upstream Analysis

10.2.1 Digital Gas Detectors Core Raw Materials

10.2.2 Main Manufacturers of Digital Gas Detectors Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Digital Gas Detectors Production Mode

10.6 Digital Gas Detectors Procurement Model

10.7 Digital Gas Detectors Industry Sales Model and Sales Channels

10.7.1 Digital Gas Detectors Sales Model

10.7.2 Digital Gas Detectors Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Digital Gas Detectors Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Digital Gas Detectors Production Value by Region (2021-2026) & (USD Million)

Table 3. World Digital Gas Detectors Production Value by Region (2027-2032) & (USD Million)

Table 4. World Digital Gas Detectors Production Value Market Share by Region (2021-2026)

Table 5. World Digital Gas Detectors Production Value Market Share by Region (2027-2032)

Table 6. World Digital Gas Detectors Production by Region (2021-2026) & (K Units)

Table 7. World Digital Gas Detectors Production by Region (2027-2032) & (K Units)

Table 8. World Digital Gas Detectors Production Market Share by Region (2021-2026)

Table 9. World Digital Gas Detectors Production Market Share by Region (2027-2032)

Table 10. World Digital Gas Detectors Average Price by Region (2021-2026) & (USD/Unit)

Table 11. World Digital Gas Detectors Average Price by Region (2027-2032) & (USD/Unit)

Table 12. Digital Gas Detectors Major Market Trends

Table 13. World Digital Gas Detectors Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Digital Gas Detectors Consumption by Region (2021-2026) & (K Units)

Table 15. World Digital Gas Detectors Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Digital Gas Detectors Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Digital Gas Detectors Producers in 2025

Table 18. World Digital Gas Detectors Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Digital Gas Detectors Producers in 2025

Table 20. World Digital Gas Detectors Average Price by Manufacturer (2021-2026) & (USD/Unit)

Table 21. Global Digital Gas Detectors Company Evaluation Quadrant

Table 22. World Digital Gas Detectors Industry Rank of Major Manufacturers, Based on

## Production Value in 2025

Table 23. Head Office and Digital Gas Detectors Production Site of Key Manufacturer

Table 24. Digital Gas Detectors Market: Company Product Type Footprint

Table 25. Digital Gas Detectors Market: Company Product Application Footprint

Table 26. Digital Gas Detectors Competitive Factors

Table 27. Digital Gas Detectors New Entrant and Capacity Expansion Plans

Table 28. Digital Gas Detectors Mergers & Acquisitions Activity

Table 29. United States VS China Digital Gas Detectors Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Digital Gas Detectors Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Digital Gas Detectors Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Digital Gas Detectors Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Digital Gas Detectors Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Digital Gas Detectors Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Digital Gas Detectors Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Digital Gas Detectors Production Market Share (2021-2026)

Table 37. China Based Digital Gas Detectors Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Digital Gas Detectors Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Digital Gas Detectors Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Digital Gas Detectors Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Digital Gas Detectors Production Market Share (2021-2026)

Table 42. Rest of World Based Digital Gas Detectors Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Digital Gas Detectors Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Digital Gas Detectors Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Digital Gas Detectors Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Digital Gas Detectors Production Market Share (2021-2026)

Table 47. World Digital Gas Detectors Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Digital Gas Detectors Production by Type (2021-2026) & (K Units)

Table 49. World Digital Gas Detectors Production by Type (2027-2032) & (K Units)

Table 50. World Digital Gas Detectors Production Value by Type (2021-2026) & (USD Million)

Table 51. World Digital Gas Detectors Production Value by Type (2027-2032) & (USD Million)

Table 52. World Digital Gas Detectors Average Price by Type (2021-2026) & (USD/Unit)

Table 53. World Digital Gas Detectors Average Price by Type (2027-2032) & (USD/Unit)

Table 54. World Digital Gas Detectors Production Value by Gas Detection, (USD Million), 2021 & 2025 & 2032

Table 55. World Digital Gas Detectors Production by Gas Detection (2021-2026) & (K Units)

Table 56. World Digital Gas Detectors Production by Gas Detection (2027-2032) & (K Units)

Table 57. World Digital Gas Detectors Production Value by Gas Detection (2021-2026) & (USD Million)

Table 58. World Digital Gas Detectors Production Value by Gas Detection (2027-2032) & (USD Million)

Table 59. World Digital Gas Detectors Average Price by Gas Detection (2021-2026) & (USD/Unit)

Table 60. World Digital Gas Detectors Average Price by Gas Detection (2027-2032) & (USD/Unit)

Table 61. World Digital Gas Detectors Production Value by Number of Gases Detectable, (USD Million), 2021 & 2025 & 2032

Table 62. World Digital Gas Detectors Production by Number of Gases Detectable (2021-2026) & (K Units)

Table 63. World Digital Gas Detectors Production by Number of Gases Detectable (2027-2032) & (K Units)

Table 64. World Digital Gas Detectors Production Value by Number of Gases Detectable (2021-2026) & (USD Million)

Table 65. World Digital Gas Detectors Production Value by Number of Gases Detectable (2027-2032) & (USD Million)

Table 66. World Digital Gas Detectors Average Price by Number of Gases Detectable

(2021-2026) & (USD/Unit)

Table 67. World Digital Gas Detectors Average Price by Number of Gases Detectable (2027-2032) & (USD/Unit)

Table 68. World Digital Gas Detectors Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Digital Gas Detectors Production by Application (2021-2026) & (K Units)

Table 70. World Digital Gas Detectors Production by Application (2027-2032) & (K Units)

Table 71. World Digital Gas Detectors Production Value by Application (2021-2026) & (USD Million)

Table 72. World Digital Gas Detectors Production Value by Application (2027-2032) & (USD Million)

Table 73. World Digital Gas Detectors Average Price by Application (2021-2026) & (USD/Unit)

Table 74. World Digital Gas Detectors Average Price by Application (2027-2032) & (USD/Unit)

Table 75. Honeywell Basic Information, Manufacturing Base and Competitors

Table 76. Honeywell Major Business

Table 77. Honeywell Digital Gas Detectors Product and Services

Table 78. Honeywell Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Honeywell Recent Developments/Updates

Table 80. Honeywell Competitive Strengths & Weaknesses

Table 81. MSA Safety Basic Information, Manufacturing Base and Competitors

Table 82. MSA Safety Major Business

Table 83. MSA Safety Digital Gas Detectors Product and Services

Table 84. MSA Safety Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. MSA Safety Recent Developments/Updates

Table 86. MSA Safety Competitive Strengths & Weaknesses

Table 87. Industrial Scientific Basic Information, Manufacturing Base and Competitors

Table 88. Industrial Scientific Major Business

Table 89. Industrial Scientific Digital Gas Detectors Product and Services

Table 90. Industrial Scientific Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Industrial Scientific Recent Developments/Updates

Table 92. Industrial Scientific Competitive Strengths & Weaknesses

- Table 93. Hikvision Basic Information, Manufacturing Base and Competitors
- Table 94. Hikvision Major Business
- Table 95. Hikvision Digital Gas Detectors Product and Services
- Table 96. Hikvision Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Hikvision Recent Developments/Updates
- Table 98. Hikvision Competitive Strengths & Weaknesses
- Table 99. Danfoss Basic Information, Manufacturing Base and Competitors
- Table 100. Danfoss Major Business
- Table 101. Danfoss Digital Gas Detectors Product and Services
- Table 102. Danfoss Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Danfoss Recent Developments/Updates
- Table 104. Danfoss Competitive Strengths & Weaknesses
- Table 105. Emerson Basic Information, Manufacturing Base and Competitors
- Table 106. Emerson Major Business
- Table 107. Emerson Digital Gas Detectors Product and Services
- Table 108. Emerson Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Emerson Recent Developments/Updates
- Table 110. Emerson Competitive Strengths & Weaknesses
- Table 111. Drager Basic Information, Manufacturing Base and Competitors
- Table 112. Drager Major Business
- Table 113. Drager Digital Gas Detectors Product and Services
- Table 114. Drager Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. Drager Recent Developments/Updates
- Table 116. Drager Competitive Strengths & Weaknesses
- Table 117. FLIR Basic Information, Manufacturing Base and Competitors
- Table 118. FLIR Major Business
- Table 119. FLIR Digital Gas Detectors Product and Services
- Table 120. FLIR Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. FLIR Recent Developments/Updates
- Table 122. FLIR Competitive Strengths & Weaknesses
- Table 123. Fluke Basic Information, Manufacturing Base and Competitors
- Table 124. Fluke Major Business
- Table 125. Fluke Digital Gas Detectors Product and Services
- Table 126. Fluke Digital Gas Detectors Production (K Units), Price (USD/Unit),

Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Fluke Recent Developments/Updates

Table 128. Fluke Competitive Strengths & Weaknesses

Table 129. Halma Basic Information, Manufacturing Base and Competitors

Table 130. Halma Major Business

Table 131. Halma Digital Gas Detectors Product and Services

Table 132. Halma Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Halma Recent Developments/Updates

Table 134. Halma Competitive Strengths & Weaknesses

Table 135. Hanwei Electronics Group Basic Information, Manufacturing Base and Competitors

Table 136. Hanwei Electronics Group Major Business

Table 137. Hanwei Electronics Group Digital Gas Detectors Product and Services

Table 138. Hanwei Electronics Group Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Hanwei Electronics Group Recent Developments/Updates

Table 140. Hanwei Electronics Group Competitive Strengths & Weaknesses

Table 141. Guide Infrared Basic Information, Manufacturing Base and Competitors

Table 142. Guide Infrared Major Business

Table 143. Guide Infrared Digital Gas Detectors Product and Services

Table 144. Guide Infrared Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Guide Infrared Recent Developments/Updates

Table 146. Guide Infrared Competitive Strengths & Weaknesses

Table 147. Opgal Basic Information, Manufacturing Base and Competitors

Table 148. Opgal Major Business

Table 149. Opgal Digital Gas Detectors Product and Services

Table 150. Opgal Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Opgal Recent Developments/Updates

Table 152. Opgal Competitive Strengths & Weaknesses

Table 153. Viper Imaging Basic Information, Manufacturing Base and Competitors

Table 154. Viper Imaging Major Business

Table 155. Viper Imaging Digital Gas Detectors Product and Services

Table 156. Viper Imaging Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Viper Imaging Recent Developments/Updates

- Table 158. Viper Imaging Competitive Strengths & Weaknesses
- Table 159. Peiport Basic Information, Manufacturing Base and Competitors
- Table 160. Peiport Major Business
- Table 161. Peiport Digital Gas Detectors Product and Services
- Table 162. Peiport Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 163. Peiport Recent Developments/Updates
- Table 164. Peiport Competitive Strengths & Weaknesses
- Table 165. Raythink Basic Information, Manufacturing Base and Competitors
- Table 166. Raythink Major Business
- Table 167. Raythink Digital Gas Detectors Product and Services
- Table 168. Raythink Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 169. Raythink Recent Developments/Updates
- Table 170. Raythink Competitive Strengths & Weaknesses
- Table 171. Crowcon Basic Information, Manufacturing Base and Competitors
- Table 172. Crowcon Major Business
- Table 173. Crowcon Digital Gas Detectors Product and Services
- Table 174. Crowcon Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 175. Crowcon Recent Developments/Updates
- Table 176. Crowcon Competitive Strengths & Weaknesses
- Table 177. Raytron Technology Basic Information, Manufacturing Base and Competitors
- Table 178. Raytron Technology Major Business
- Table 179. Raytron Technology Digital Gas Detectors Product and Services
- Table 180. Raytron Technology Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 181. Raytron Technology Recent Developments/Updates
- Table 182. Raytron Technology Competitive Strengths & Weaknesses
- Table 183. Dahua Technology Basic Information, Manufacturing Base and Competitors
- Table 184. Dahua Technology Major Business
- Table 185. Dahua Technology Digital Gas Detectors Product and Services
- Table 186. Dahua Technology Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 187. Dahua Technology Recent Developments/Updates
- Table 188. Dahua Technology Competitive Strengths & Weaknesses

- Table 189. Sensit Basic Information, Manufacturing Base and Competitors
- Table 190. Sensit Major Business
- Table 191. Sensit Digital Gas Detectors Product and Services
- Table 192. Sensit Digital Gas Detectors Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 193. Sensit Recent Developments/Updates
- Table 194. Sensit Competitive Strengths & Weaknesses
- Table 195. Global Key Players of Digital Gas Detectors Upstream (Raw Materials)
- Table 196. Global Digital Gas Detectors Typical Customers
- Table 197. Digital Gas Detectors Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Digital Gas Detectors Picture

Figure 2. World Digital Gas Detectors Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Digital Gas Detectors Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Digital Gas Detectors Production (2021-2032) & (K Units)

Figure 5. World Digital Gas Detectors Average Price (2021-2032) & (USD/Unit)

Figure 6. World Digital Gas Detectors Production Value Market Share by Region (2021-2032)

Figure 7. World Digital Gas Detectors Production Market Share by Region (2021-2032)

Figure 8. North America Digital Gas Detectors Production (2021-2032) & (K Units)

Figure 9. Europe Digital Gas Detectors Production (2021-2032) & (K Units)

Figure 10. China Digital Gas Detectors Production (2021-2032) & (K Units)

Figure 11. Japan Digital Gas Detectors Production (2021-2032) & (K Units)

Figure 12. Digital Gas Detectors Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Digital Gas Detectors Consumption (2021-2032) & (K Units)

Figure 15. World Digital Gas Detectors Consumption Market Share by Region (2021-2032)

Figure 16. United States Digital Gas Detectors Consumption (2021-2032) & (K Units)

Figure 17. China Digital Gas Detectors Consumption (2021-2032) & (K Units)

Figure 18. Europe Digital Gas Detectors Consumption (2021-2032) & (K Units)

Figure 19. Japan Digital Gas Detectors Consumption (2021-2032) & (K Units)

Figure 20. South Korea Digital Gas Detectors Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Digital Gas Detectors Consumption (2021-2032) & (K Units)

Figure 22. India Digital Gas Detectors Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Digital Gas Detectors by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Digital Gas Detectors Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Digital Gas Detectors Markets in 2025

Figure 26. United States VS China: Digital Gas Detectors Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Digital Gas Detectors Production Market Share

Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Digital Gas Detectors Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Digital Gas Detectors Production Market Share 2025

Figure 30. China Based Manufacturers Digital Gas Detectors Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Digital Gas Detectors Production Market Share 2025

Figure 32. World Digital Gas Detectors Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Digital Gas Detectors Production Value Market Share by Type in 2025

Figure 34. Fixed

Figure 35. Portable

Figure 36. World Digital Gas Detectors Production Market Share by Type (2021-2032)

Figure 37. World Digital Gas Detectors Production Value Market Share by Type (2021-2032)

Figure 38. World Digital Gas Detectors Average Price by Type (2021-2032) & (USD/Unit)

Figure 39. World Digital Gas Detectors Production Value by Gas Detection, (USD Million), 2021 & 2025 & 2032

Figure 40. World Digital Gas Detectors Production Value Market Share by Gas Detection in 2025

Figure 41. Combustible Gas Detector

Figure 42. Toxic Gas Detector

Figure 43. Oxygen Detector

Figure 44. Volatile Organic Compound Detector

Figure 45. World Digital Gas Detectors Production Market Share by Gas Detection (2021-2032)

Figure 46. World Digital Gas Detectors Production Value Market Share by Gas Detection (2021-2032)

Figure 47. World Digital Gas Detectors Average Price by Gas Detection (2021-2032) & (USD/Unit)

Figure 48. World Digital Gas Detectors Production Value by Number of Gases Detectable, (USD Million), 2021 & 2025 & 2032

Figure 49. World Digital Gas Detectors Production Value Market Share by Number of Gases Detectable in 2025

Figure 50. Single Gas Detector

Figure 51. Multi-Gas Detector

Figure 52. World Digital Gas Detectors Production Market Share by Number of Gases Detectable (2021-2032)

Figure 53. World Digital Gas Detectors Production Value Market Share by Number of Gases Detectable (2021-2032)

Figure 54. World Digital Gas Detectors Average Price by Number of Gases Detectable (2021-2032) & (USD/Unit)

Figure 55. World Digital Gas Detectors Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Digital Gas Detectors Production Value Market Share by Application in 2025

Figure 57. Residential

Figure 58. Commercial

Figure 59. Industrial

Figure 60. Medical

Figure 61. World Digital Gas Detectors Production Market Share by Application (2021-2032)

Figure 62. World Digital Gas Detectors Production Value Market Share by Application (2021-2032)

Figure 63. World Digital Gas Detectors Average Price by Application (2021-2032) & (USD/Unit)

Figure 64. Digital Gas Detectors Industry Chain

Figure 65. Digital Gas Detectors Procurement Model

Figure 66. Digital Gas Detectors Sales Model

Figure 67. Digital Gas Detectors Sales Channels, Direct Sales, and Distribution

Figure 68. Methodology

Figure 69. Research Process and Data Source

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