

Global PID VOC Gas Sensors Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global PID VOC Gas Sensors market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The market for PID (Photoionization Detection) VOC gas sensors is driven by several factors:

Occupational safety regulations: Occupational health and safety regulations require industries to monitor and control the presence of hazardous gases in the workplace. PID gas sensors are effective in detecting a wide range of volatile organic compounds (VOCs) and other toxic gases. Compliance with these regulations drives the demand for PID gas sensors in industries such as manufacturing, petrochemicals, oil and gas, and pharmaceuticals.

Environmental monitoring: PID gas sensors are also used in environmental monitoring applications to detect and measure VOC emissions. This is particularly important in industries such as chemical plants, landfills, and wastewater treatment facilities, where VOCs can have harmful effects on air and water quality. Government regulations and sustainability initiatives that focus on reducing emissions drive the demand for PID gas sensors in environmental monitoring.

Industrial hygiene and indoor air quality: PID gas sensors play a crucial role in maintaining safe and healthy indoor environments. They are used to monitor indoor air quality in workplaces, commercial buildings, and residential settings. With the increasing awareness of the impact of poor indoor air quality on human health and productivity, the demand for PID gas sensors is growing to ensure effective ventilation and pollutant control.

Hazardous material response: PID gas sensors are utilized by emergency response teams, hazmat units, and fire departments to identify and measure hazardous gases during emergency situations such as chemical spills, leaks, or fires. The real-time monitoring capability of PID sensors allows for quick assessment of the situation, ensuring appropriate actions are taken to protect human health and the environment.

Advancements in technology: Continuous advancements in PID sensor technology, such as increased sensitivity, accuracy, and reliability, have expanded their applications and improved their performance. This has further fueled the adoption of PID gas sensors across various industries.

PID stands for photoionisation detector and this device is used to measure the presence of volatile organic compounds (VOCs), which are any chemical compounds that possess significant vapour pressures and that can have serious effects on our health and to the environment. The monitoring of VOCs is so important because their effects are long term but those affected will be slow to display symptoms.

This report studies the global PID VOC Gas Sensors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PID VOC Gas Sensors, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of PID VOC Gas Sensors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global PID VOC Gas Sensors total production and demand, 2018-2029, (K Units)

Global PID VOC Gas Sensors total production value, 2018-2029, (USD Million)

Global PID VOC Gas Sensors production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global PID VOC Gas Sensors consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: PID VOC Gas Sensors domestic production, consumption, key domestic manufacturers and share

Global PID VOC Gas Sensors production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global PID VOC Gas Sensors production by Measuring Range, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global PID VOC Gas Sensors production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global PID VOC Gas Sensors 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 ION Science, AMETEK MOCON, Dr?ger, Honeywell, SGX Sensortech, Teledyne Gas & Flame Detection, Blackline Safety, Industrial Scientific and Zhengzhou Winsen Electronics Technology, 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 PID VOC Gas Sensors market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Measuring Range, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global PID VOC Gas Sensors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global PID VOC Gas Sensors Market, Segmentation by Measuring Range

1000ppb Below

1000-2000ppb

2000ppb Above

Global PID VOC Gas Sensors Market, Segmentation by Application

Environmental Quality Monitoring

Oil and Gas

Chemical Industry

Mining

Others

Companies Profiled:

ION Science

AMETEK MOCON

Dr?ger

Honeywell

SGX Sensortech

Teledyne Gas & Flame Detection

Blackline Safety

Industrial Scientific

Zhengzhou Winsen Electronics Technology

Shenzhen Nanyou Nuo An Electronic Co.,Ltd.

Shanghai Sangbay Sensor Technology

Weihai JXCT Electronics

Key Questions Answered

1. How big is the global PID VOC Gas Sensors market?
2. What is the demand of the global PID VOC Gas Sensors market?
3. What is the year over year growth of the global PID VOC Gas Sensors market?
4. What is the production and production value of the global PID VOC Gas Sensors market?
5. Who are the key producers in the global PID VOC Gas Sensors market?

Contents

1 SUPPLY SUMMARY

- 1.1 PID VOC Gas Sensors Introduction
- 1.2 World PID VOC Gas Sensors Supply & Forecast
 - 1.2.1 World PID VOC Gas Sensors Production Value (2018 & 2022 & 2029)
 - 1.2.2 World PID VOC Gas Sensors Production (2018-2029)
 - 1.2.3 World PID VOC Gas Sensors Pricing Trends (2018-2029)
- 1.3 World PID VOC Gas Sensors Production by Region (Based on Production Site)
 - 1.3.1 World PID VOC Gas Sensors Production Value by Region (2018-2029)
 - 1.3.2 World PID VOC Gas Sensors Production by Region (2018-2029)
 - 1.3.3 World PID VOC Gas Sensors Average Price by Region (2018-2029)
 - 1.3.4 North America PID VOC Gas Sensors Production (2018-2029)
 - 1.3.5 Europe PID VOC Gas Sensors Production (2018-2029)
 - 1.3.6 China PID VOC Gas Sensors Production (2018-2029)
 - 1.3.7 Japan PID VOC Gas Sensors Production (2018-2029)
 - 1.3.8 South Korea PID VOC Gas Sensors Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 PID VOC Gas Sensors Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 PID VOC Gas Sensors Major Market Trends

2 DEMAND SUMMARY

- 2.1 World PID VOC Gas Sensors Demand (2018-2029)
- 2.2 World PID VOC Gas Sensors Consumption by Region
 - 2.2.1 World PID VOC Gas Sensors Consumption by Region (2018-2023)
 - 2.2.2 World PID VOC Gas Sensors Consumption Forecast by Region (2024-2029)
- 2.3 United States PID VOC Gas Sensors Consumption (2018-2029)
- 2.4 China PID VOC Gas Sensors Consumption (2018-2029)
- 2.5 Europe PID VOC Gas Sensors Consumption (2018-2029)
- 2.6 Japan PID VOC Gas Sensors Consumption (2018-2029)
- 2.7 South Korea PID VOC Gas Sensors Consumption (2018-2029)
- 2.8 ASEAN PID VOC Gas Sensors Consumption (2018-2029)
- 2.9 India PID VOC Gas Sensors Consumption (2018-2029)

3 WORLD PID VOC GAS SENSORS MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World PID VOC Gas Sensors Production Value by Manufacturer (2018-2023)
- 3.2 World PID VOC Gas Sensors Production by Manufacturer (2018-2023)
- 3.3 World PID VOC Gas Sensors Average Price by Manufacturer (2018-2023)
- 3.4 PID VOC Gas Sensors Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global PID VOC Gas Sensors Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for PID VOC Gas Sensors in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for PID VOC Gas Sensors in 2022
- 3.6 PID VOC Gas Sensors Market: Overall Company Footprint Analysis
 - 3.6.1 PID VOC Gas Sensors Market: Region Footprint
 - 3.6.2 PID VOC Gas Sensors Market: Company Product Type Footprint
 - 3.6.3 PID VOC Gas Sensors 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: PID VOC Gas Sensors Production Value Comparison
 - 4.1.1 United States VS China: PID VOC Gas Sensors Production Value Comparison (2018 & 2022 & 2029)
 - 4.1.2 United States VS China: PID VOC Gas Sensors Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: PID VOC Gas Sensors Production Comparison
 - 4.2.1 United States VS China: PID VOC Gas Sensors Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: PID VOC Gas Sensors Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: PID VOC Gas Sensors Consumption Comparison
 - 4.3.1 United States VS China: PID VOC Gas Sensors Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: PID VOC Gas Sensors Consumption Market Share Comparison (2018 & 2022 & 2029)
- 4.4 United States Based PID VOC Gas Sensors Manufacturers and Market Share, 2018-2023
 - 4.4.1 United States Based PID VOC Gas Sensors Manufacturers, Headquarters and

Production Site (States, Country)

4.4.2 United States Based Manufacturers PID VOC Gas Sensors Production Value (2018-2023)

4.4.3 United States Based Manufacturers PID VOC Gas Sensors Production (2018-2023)

4.5 China Based PID VOC Gas Sensors Manufacturers and Market Share

4.5.1 China Based PID VOC Gas Sensors Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers PID VOC Gas Sensors Production Value (2018-2023)

4.5.3 China Based Manufacturers PID VOC Gas Sensors Production (2018-2023)

4.6 Rest of World Based PID VOC Gas Sensors Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based PID VOC Gas Sensors Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers PID VOC Gas Sensors Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers PID VOC Gas Sensors Production (2018-2023)

5 MARKET ANALYSIS BY MEASURING RANGE

5.1 World PID VOC Gas Sensors Market Size Overview by Measuring Range: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Measuring Range

5.2.1 1000ppb Below

5.2.2 1000-2000ppb

5.2.3 2000ppb Above

5.3 Market Segment by Measuring Range

5.3.1 World PID VOC Gas Sensors Production by Measuring Range (2018-2029)

5.3.2 World PID VOC Gas Sensors Production Value by Measuring Range (2018-2029)

5.3.3 World PID VOC Gas Sensors Average Price by Measuring Range (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World PID VOC Gas Sensors Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

- 6.2.1 Environmental Quality Monitoring
- 6.2.2 Oil and Gas
- 6.2.3 Chemical Industry
- 6.2.4 Mining
- 6.2.5 Others
- 6.3 Market Segment by Application
 - 6.3.1 World PID VOC Gas Sensors Production by Application (2018-2029)
 - 6.3.2 World PID VOC Gas Sensors Production Value by Application (2018-2029)
 - 6.3.3 World PID VOC Gas Sensors Average Price by Application (2018-2029)

7 COMPANY PROFILES

- 7.1 ION Science
 - 7.1.1 ION Science Details
 - 7.1.2 ION Science Major Business
 - 7.1.3 ION Science PID VOC Gas Sensors Product and Services
 - 7.1.4 ION Science PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.1.5 ION Science Recent Developments/Updates
 - 7.1.6 ION Science Competitive Strengths & Weaknesses
- 7.2 AMETEK MOCON
 - 7.2.1 AMETEK MOCON Details
 - 7.2.2 AMETEK MOCON Major Business
 - 7.2.3 AMETEK MOCON PID VOC Gas Sensors Product and Services
 - 7.2.4 AMETEK MOCON PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.2.5 AMETEK MOCON Recent Developments/Updates
 - 7.2.6 AMETEK MOCON Competitive Strengths & Weaknesses
- 7.3 Dräger
 - 7.3.1 Dräger Details
 - 7.3.2 Dräger Major Business
 - 7.3.3 Dräger PID VOC Gas Sensors Product and Services
 - 7.3.4 Dräger PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.3.5 Dräger Recent Developments/Updates
 - 7.3.6 Dräger Competitive Strengths & Weaknesses
- 7.4 Honeywell
 - 7.4.1 Honeywell Details
 - 7.4.2 Honeywell Major Business

- 7.4.3 Honeywell PID VOC Gas Sensors Product and Services
- 7.4.4 Honeywell PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.4.5 Honeywell Recent Developments/Updates
- 7.4.6 Honeywell Competitive Strengths & Weaknesses
- 7.5 SGX Sensortech
 - 7.5.1 SGX Sensortech Details
 - 7.5.2 SGX Sensortech Major Business
 - 7.5.3 SGX Sensortech PID VOC Gas Sensors Product and Services
 - 7.5.4 SGX Sensortech PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 SGX Sensortech Recent Developments/Updates
 - 7.5.6 SGX Sensortech Competitive Strengths & Weaknesses
- 7.6 Teledyne Gas & Flame Detection
 - 7.6.1 Teledyne Gas & Flame Detection Details
 - 7.6.2 Teledyne Gas & Flame Detection Major Business
 - 7.6.3 Teledyne Gas & Flame Detection PID VOC Gas Sensors Product and Services
 - 7.6.4 Teledyne Gas & Flame Detection PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Teledyne Gas & Flame Detection Recent Developments/Updates
 - 7.6.6 Teledyne Gas & Flame Detection Competitive Strengths & Weaknesses
- 7.7 Blackline Safety
 - 7.7.1 Blackline Safety Details
 - 7.7.2 Blackline Safety Major Business
 - 7.7.3 Blackline Safety PID VOC Gas Sensors Product and Services
 - 7.7.4 Blackline Safety PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 Blackline Safety Recent Developments/Updates
 - 7.7.6 Blackline Safety Competitive Strengths & Weaknesses
- 7.8 Industrial Scientific
 - 7.8.1 Industrial Scientific Details
 - 7.8.2 Industrial Scientific Major Business
 - 7.8.3 Industrial Scientific PID VOC Gas Sensors Product and Services
 - 7.8.4 Industrial Scientific PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 Industrial Scientific Recent Developments/Updates
 - 7.8.6 Industrial Scientific Competitive Strengths & Weaknesses
- 7.9 Zhengzhou Winsen Electronics Technology
 - 7.9.1 Zhengzhou Winsen Electronics Technology Details

- 7.9.2 Zhengzhou Winsen Electronics Technology Major Business
- 7.9.3 Zhengzhou Winsen Electronics Technology PID VOC Gas Sensors Product and Services
- 7.9.4 Zhengzhou Winsen Electronics Technology PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.9.5 Zhengzhou Winsen Electronics Technology Recent Developments/Updates
- 7.9.6 Zhengzhou Winsen Electronics Technology Competitive Strengths & Weaknesses
- 7.10 Shenzhen Nanyou Nuo An Electronic Co.,Ltd.
 - 7.10.1 Shenzhen Nanyou Nuo An Electronic Co.,Ltd. Details
 - 7.10.2 Shenzhen Nanyou Nuo An Electronic Co.,Ltd. Major Business
 - 7.10.3 Shenzhen Nanyou Nuo An Electronic Co.,Ltd. PID VOC Gas Sensors Product and Services
 - 7.10.4 Shenzhen Nanyou Nuo An Electronic Co.,Ltd. PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.10.5 Shenzhen Nanyou Nuo An Electronic Co.,Ltd. Recent Developments/Updates
 - 7.10.6 Shenzhen Nanyou Nuo An Electronic Co.,Ltd. Competitive Strengths & Weaknesses
- 7.11 Shanghai Sangbay Sensor Technology
 - 7.11.1 Shanghai Sangbay Sensor Technology Details
 - 7.11.2 Shanghai Sangbay Sensor Technology Major Business
 - 7.11.3 Shanghai Sangbay Sensor Technology PID VOC Gas Sensors Product and Services
 - 7.11.4 Shanghai Sangbay Sensor Technology PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.11.5 Shanghai Sangbay Sensor Technology Recent Developments/Updates
 - 7.11.6 Shanghai Sangbay Sensor Technology Competitive Strengths & Weaknesses
- 7.12 Weihai JXCT Electronics
 - 7.12.1 Weihai JXCT Electronics Details
 - 7.12.2 Weihai JXCT Electronics Major Business
 - 7.12.3 Weihai JXCT Electronics PID VOC Gas Sensors Product and Services
 - 7.12.4 Weihai JXCT Electronics PID VOC Gas Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.12.5 Weihai JXCT Electronics Recent Developments/Updates
 - 7.12.6 Weihai JXCT Electronics Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 PID VOC Gas Sensors Industry Chain

8.2 PID VOC Gas Sensors Upstream Analysis

8.2.1 PID VOC Gas Sensors Core Raw Materials

8.2.2 Main Manufacturers of PID VOC Gas Sensors Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 PID VOC Gas Sensors Production Mode

8.6 PID VOC Gas Sensors Procurement Model

8.7 PID VOC Gas Sensors Industry Sales Model and Sales Channels

8.7.1 PID VOC Gas Sensors Sales Model

8.7.2 PID VOC Gas Sensors Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World PID VOC Gas Sensors Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World PID VOC Gas Sensors Production Value by Region (2018-2023) & (USD Million)

Table 3. World PID VOC Gas Sensors Production Value by Region (2024-2029) & (USD Million)

Table 4. World PID VOC Gas Sensors Production Value Market Share by Region (2018-2023)

Table 5. World PID VOC Gas Sensors Production Value Market Share by Region (2024-2029)

Table 6. World PID VOC Gas Sensors Production by Region (2018-2023) & (K Units)

Table 7. World PID VOC Gas Sensors Production by Region (2024-2029) & (K Units)

Table 8. World PID VOC Gas Sensors Production Market Share by Region (2018-2023)

Table 9. World PID VOC Gas Sensors Production Market Share by Region (2024-2029)

Table 10. World PID VOC Gas Sensors Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World PID VOC Gas Sensors Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. PID VOC Gas Sensors Major Market Trends

Table 13. World PID VOC Gas Sensors Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World PID VOC Gas Sensors Consumption by Region (2018-2023) & (K Units)

Table 15. World PID VOC Gas Sensors Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World PID VOC Gas Sensors Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key PID VOC Gas Sensors Producers in 2022

Table 18. World PID VOC Gas Sensors Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key PID VOC Gas Sensors Producers in 2022

Table 20. World PID VOC Gas Sensors Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global PID VOC Gas Sensors Company Evaluation Quadrant

Table 22. World PID VOC Gas Sensors Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and PID VOC Gas Sensors Production Site of Key Manufacturer

Table 24. PID VOC Gas Sensors Market: Company Product Type Footprint

Table 25. PID VOC Gas Sensors Market: Company Product Application Footprint

Table 26. PID VOC Gas Sensors Competitive Factors

Table 27. PID VOC Gas Sensors New Entrant and Capacity Expansion Plans

Table 28. PID VOC Gas Sensors Mergers & Acquisitions Activity

Table 29. United States VS China PID VOC Gas Sensors Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China PID VOC Gas Sensors Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China PID VOC Gas Sensors Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based PID VOC Gas Sensors Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers PID VOC Gas Sensors Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers PID VOC Gas Sensors Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers PID VOC Gas Sensors Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers PID VOC Gas Sensors Production Market Share (2018-2023)

Table 37. China Based PID VOC Gas Sensors Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers PID VOC Gas Sensors Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers PID VOC Gas Sensors Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers PID VOC Gas Sensors Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers PID VOC Gas Sensors Production Market Share (2018-2023)

Table 42. Rest of World Based PID VOC Gas Sensors Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers PID VOC Gas Sensors Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers PID VOC Gas Sensors Production Value

Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers PID VOC Gas Sensors Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers PID VOC Gas Sensors Production Market Share (2018-2023)

Table 47. World PID VOC Gas Sensors Production Value by Measuring Range, (USD Million), 2018 & 2022 & 2029

Table 48. World PID VOC Gas Sensors Production by Measuring Range (2018-2023) & (K Units)

Table 49. World PID VOC Gas Sensors Production by Measuring Range (2024-2029) & (K Units)

Table 50. World PID VOC Gas Sensors Production Value by Measuring Range (2018-2023) & (USD Million)

Table 51. World PID VOC Gas Sensors Production Value by Measuring Range (2024-2029) & (USD Million)

Table 52. World PID VOC Gas Sensors Average Price by Measuring Range (2018-2023) & (US\$/Unit)

Table 53. World PID VOC Gas Sensors Average Price by Measuring Range (2024-2029) & (US\$/Unit)

Table 54. World PID VOC Gas Sensors Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World PID VOC Gas Sensors Production by Application (2018-2023) & (K Units)

Table 56. World PID VOC Gas Sensors Production by Application (2024-2029) & (K Units)

Table 57. World PID VOC Gas Sensors Production Value by Application (2018-2023) & (USD Million)

Table 58. World PID VOC Gas Sensors Production Value by Application (2024-2029) & (USD Million)

Table 59. World PID VOC Gas Sensors Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World PID VOC Gas Sensors Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. ION Science Basic Information, Manufacturing Base and Competitors

Table 62. ION Science Major Business

Table 63. ION Science PID VOC Gas Sensors Product and Services

Table 64. ION Science PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. ION Science Recent Developments/Updates

- Table 66. ION Science Competitive Strengths & Weaknesses
- Table 67. AMETEK MOCON Basic Information, Manufacturing Base and Competitors
- Table 68. AMETEK MOCON Major Business
- Table 69. AMETEK MOCON PID VOC Gas Sensors Product and Services
- Table 70. AMETEK MOCON PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. AMETEK MOCON Recent Developments/Updates
- Table 72. AMETEK MOCON Competitive Strengths & Weaknesses
- Table 73. Dräger Basic Information, Manufacturing Base and Competitors
- Table 74. Dräger Major Business
- Table 75. Dräger PID VOC Gas Sensors Product and Services
- Table 76. Dräger PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. Dräger Recent Developments/Updates
- Table 78. Dräger Competitive Strengths & Weaknesses
- Table 79. Honeywell Basic Information, Manufacturing Base and Competitors
- Table 80. Honeywell Major Business
- Table 81. Honeywell PID VOC Gas Sensors Product and Services
- Table 82. Honeywell PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. Honeywell Recent Developments/Updates
- Table 84. Honeywell Competitive Strengths & Weaknesses
- Table 85. SGX Sensortech Basic Information, Manufacturing Base and Competitors
- Table 86. SGX Sensortech Major Business
- Table 87. SGX Sensortech PID VOC Gas Sensors Product and Services
- Table 88. SGX Sensortech PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. SGX Sensortech Recent Developments/Updates
- Table 90. SGX Sensortech Competitive Strengths & Weaknesses
- Table 91. Teledyne Gas & Flame Detection Basic Information, Manufacturing Base and Competitors
- Table 92. Teledyne Gas & Flame Detection Major Business
- Table 93. Teledyne Gas & Flame Detection PID VOC Gas Sensors Product and Services
- Table 94. Teledyne Gas & Flame Detection PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

- Table 95. Teledyne Gas & Flame Detection Recent Developments/Updates
- Table 96. Teledyne Gas & Flame Detection Competitive Strengths & Weaknesses
- Table 97. Blackline Safety Basic Information, Manufacturing Base and Competitors
- Table 98. Blackline Safety Major Business
- Table 99. Blackline Safety PID VOC Gas Sensors Product and Services
- Table 100. Blackline Safety PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 101. Blackline Safety Recent Developments/Updates
- Table 102. Blackline Safety Competitive Strengths & Weaknesses
- Table 103. Industrial Scientific Basic Information, Manufacturing Base and Competitors
- Table 104. Industrial Scientific Major Business
- Table 105. Industrial Scientific PID VOC Gas Sensors Product and Services
- Table 106. Industrial Scientific PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 107. Industrial Scientific Recent Developments/Updates
- Table 108. Industrial Scientific Competitive Strengths & Weaknesses
- Table 109. Zhengzhou Winsen Electronics Technology Basic Information, Manufacturing Base and Competitors
- Table 110. Zhengzhou Winsen Electronics Technology Major Business
- Table 111. Zhengzhou Winsen Electronics Technology PID VOC Gas Sensors Product and Services
- Table 112. Zhengzhou Winsen Electronics Technology PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 113. Zhengzhou Winsen Electronics Technology Recent Developments/Updates
- Table 114. Zhengzhou Winsen Electronics Technology Competitive Strengths & Weaknesses
- Table 115. Shenzhen Nanyou Nuo An Electronic Co.,Ltd. Basic Information, Manufacturing Base and Competitors
- Table 116. Shenzhen Nanyou Nuo An Electronic Co.,Ltd. Major Business
- Table 117. Shenzhen Nanyou Nuo An Electronic Co.,Ltd. PID VOC Gas Sensors Product and Services
- Table 118. Shenzhen Nanyou Nuo An Electronic Co.,Ltd. PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. Shenzhen Nanyou Nuo An Electronic Co.,Ltd. Recent Developments/Updates

Table 120. Shenzhen Nanyou Nuo An Electronic Co.,Ltd. Competitive Strengths & Weaknesses

Table 121. Shanghai Sangbay Sensor Technology Basic Information, Manufacturing Base and Competitors

Table 122. Shanghai Sangbay Sensor Technology Major Business

Table 123. Shanghai Sangbay Sensor Technology PID VOC Gas Sensors Product and Services

Table 124. Shanghai Sangbay Sensor Technology PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Shanghai Sangbay Sensor Technology Recent Developments/Updates

Table 126. Weihai JXCT Electronics Basic Information, Manufacturing Base and Competitors

Table 127. Weihai JXCT Electronics Major Business

Table 128. Weihai JXCT Electronics PID VOC Gas Sensors Product and Services

Table 129. Weihai JXCT Electronics PID VOC Gas Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 130. Global Key Players of PID VOC Gas Sensors Upstream (Raw Materials)

Table 131. PID VOC Gas Sensors Typical Customers

Table 132. PID VOC Gas Sensors Typical Distributors

List of Figure

Figure 1. PID VOC Gas Sensors Picture

Figure 2. World PID VOC Gas Sensors Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World PID VOC Gas Sensors Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World PID VOC Gas Sensors Production (2018-2029) & (K Units)

Figure 5. World PID VOC Gas Sensors Average Price (2018-2029) & (US\$/Unit)

Figure 6. World PID VOC Gas Sensors Production Value Market Share by Region (2018-2029)

Figure 7. World PID VOC Gas Sensors Production Market Share by Region (2018-2029)

Figure 8. North America PID VOC Gas Sensors Production (2018-2029) & (K Units)

Figure 9. Europe PID VOC Gas Sensors Production (2018-2029) & (K Units)

Figure 10. China PID VOC Gas Sensors Production (2018-2029) & (K Units)

Figure 11. Japan PID VOC Gas Sensors Production (2018-2029) & (K Units)

Figure 12. South Korea PID VOC Gas Sensors Production (2018-2029) & (K Units)

Figure 13. PID VOC Gas Sensors Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World PID VOC Gas Sensors Consumption (2018-2029) & (K Units)

Figure 16. World PID VOC Gas Sensors Consumption Market Share by Region (2018-2029)

Figure 17. United States PID VOC Gas Sensors Consumption (2018-2029) & (K Units)

Figure 18. China PID VOC Gas Sensors Consumption (2018-2029) & (K Units)

Figure 19. Europe PID VOC Gas Sensors Consumption (2018-2029) & (K Units)

Figure 20. Japan PID VOC Gas Sensors Consumption (2018-2029) & (K Units)

Figure 21. South Korea PID VOC Gas Sensors Consumption (2018-2029) & (K Units)

Figure 22. ASEAN PID VOC Gas Sensors Consumption (2018-2029) & (K Units)

Figure 23. India PID VOC Gas Sensors Consumption (2018-2029) & (K Units)

Figure 24. Producer Shipments of PID VOC Gas Sensors by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for PID VOC Gas Sensors Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for PID VOC Gas Sensors Markets in 2022

Figure 27. United States VS China: PID VOC Gas Sensors Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: PID VOC Gas Sensors Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: PID VOC Gas Sensors Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers PID VOC Gas Sensors Production Market Share 2022

Figure 31. China Based Manufacturers PID VOC Gas Sensors Production Market Share 2022

Figure 32. Rest of World Based Manufacturers PID VOC Gas Sensors Production Market Share 2022

Figure 33. World PID VOC Gas Sensors Production Value by Measuring Range, (USD Million), 2018 & 2022 & 2029

Figure 34. World PID VOC Gas Sensors Production Value Market Share by Measuring Range in 2022

Figure 35. 1000ppb Below

Figure 36. 1000-2000ppb

Figure 37. 2000ppb Above

Figure 38. World PID VOC Gas Sensors Production Market Share by Measuring Range (2018-2029)

Figure 39. World PID VOC Gas Sensors Production Value Market Share by Measuring

Range (2018-2029)

Figure 40. World PID VOC Gas Sensors Average Price by Measuring Range (2018-2029) & (US\$/Unit)

Figure 41. World PID VOC Gas Sensors Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World PID VOC Gas Sensors Production Value Market Share by Application in 2022

Figure 43. Environmental Quality Monitoring

Figure 44. Oil and Gas

Figure 45. Chemical Industry

Figure 46. Mining

Figure 47. Others

Figure 48. World PID VOC Gas Sensors Production Market Share by Application (2018-2029)

Figure 49. World PID VOC Gas Sensors Production Value Market Share by Application (2018-2029)

Figure 50. World PID VOC Gas Sensors Average Price by Application (2018-2029) & (US\$/Unit)

Figure 51. PID VOC Gas Sensors Industry Chain

Figure 52. PID VOC Gas Sensors Procurement Model

Figure 53. PID VOC Gas Sensors Sales Model

Figure 54. PID VOC Gas Sensors Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source

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