

Global NDIR Gas Sensor Market Research Report 2024, Forecast to 2032

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Abstracts

Report Overview

A nondispersive infrared sensor (or NDIR sensor) is a simple spectroscopic sensor often used as a gas detector. It is non-dispersive in the fact that no dispersive element (e.g a prism or diffraction grating as is often present in other spectrometers) is used to separate out (like a monochromator) the broadband light into a narrow spectrum suitable for gas sensing.

The global NDIR Gas Sensor market size was estimated at USD 841.70 million in 2023 and is projected to reach USD 1422.03 million by 2032, exhibiting a CAGR of 6.00% during the forecast period.

North America NDIR Gas Sensor market size was estimated at USD 242.46 million in 2023, at a CAGR of 5.14% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global NDIR Gas Sensor market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global NDIR Gas Sensor Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players,

which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the NDIR Gas Sensor market in any manner.

Global NDIR Gas Sensor Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Siemens AG

Honeywell

Vaisala

SenseAir (Asahi Kasei)

Amphenol Corporation

Sensirion AG

Trane

E + E ELEKTRONIK

Figaro

Gas Sensing Solutions

Ati Airtest Technologies Inc.

Zhengzhou Winsen Electronics Technology Co.

Ltd. (Henan Hanwei Electronics)

Digital Control System Inc

ELT SENSOR Corp.

Cubic Sensor and Instrument Co.,Ltd

ELT SENSOR

Dwyer Instruments

Micro-Hybrid Electronic GmbH

Edinburgh Instruments

Alphasense

Market Segmentation (by Type)

NDIR CO2 Sensor

NDIR CO Sensor

NDIR CH4 Sensor

NDIR Propane Sensor

NDIR Ethylene Sensor

NDIR Nitrogen Oxides Sensor

Others

Market Segmentation (by Application)

Industrial

Building Automation

Air Purifier

Automotive

Petrochemical

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the NDIR Gas Sensor Market

Overview of the regional outlook of the NDIR Gas Sensor Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning

recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the NDIR Gas Sensor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of NDIR Gas Sensor, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of NDIR Gas Sensor
- 1.2 Key Market Segments
 - 1.2.1 NDIR Gas Sensor Segment by Type
 - 1.2.2 NDIR Gas Sensor Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 NDIR GAS SENSOR MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global NDIR Gas Sensor Market Size (M USD) Estimates and Forecasts (2019-2032)
 - 2.1.2 Global NDIR Gas Sensor Sales Estimates and Forecasts (2019-2032)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 NDIR GAS SENSOR MARKET COMPETITIVE LANDSCAPE

- 3.1 Global NDIR Gas Sensor Sales by Manufacturers (2019-2024)
- 3.2 Global NDIR Gas Sensor Revenue Market Share by Manufacturers (2019-2024)
- 3.3 NDIR Gas Sensor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global NDIR Gas Sensor Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers NDIR Gas Sensor Sales Sites, Area Served, Product Type
- 3.6 NDIR Gas Sensor Market Competitive Situation and Trends
 - 3.6.1 NDIR Gas Sensor Market Concentration Rate
 - 3.6.2 Global 5 and 10 Largest NDIR Gas Sensor Players Market Share by Revenue
 - 3.6.3 Mergers & Acquisitions, Expansion

4 NDIR GAS SENSOR INDUSTRY CHAIN ANALYSIS

- 4.1 NDIR Gas Sensor Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF NDIR GAS SENSOR MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

6 NDIR GAS SENSOR MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global NDIR Gas Sensor Sales Market Share by Type (2019-2024)

6.3 Global NDIR Gas Sensor Market Size Market Share by Type (2019-2024)

6.4 Global NDIR Gas Sensor Price by Type (2019-2024)

7 NDIR GAS SENSOR MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global NDIR Gas Sensor Market Sales by Application (2019-2024)

7.3 Global NDIR Gas Sensor Market Size (M USD) by Application (2019-2024)

7.4 Global NDIR Gas Sensor Sales Growth Rate by Application (2019-2024)

8 NDIR GAS SENSOR MARKET CONSUMPTION BY REGION

8.1 Global NDIR Gas Sensor Sales by Region

8.1.1 Global NDIR Gas Sensor Sales by Region

8.1.2 Global NDIR Gas Sensor Sales Market Share by Region

8.2 North America

8.2.1 North America NDIR Gas Sensor Sales by Country

8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe NDIR Gas Sensor Sales by Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific NDIR Gas Sensor Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America NDIR Gas Sensor Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa NDIR Gas Sensor Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

9 NDIR GAS SENSOR MARKET PRODUCTION BY REGION

9.1 Global Production of NDIR Gas Sensor by Region (2019-2024)

9.2 Global NDIR Gas Sensor Revenue Market Share by Region (2019-2024)

9.3 Global NDIR Gas Sensor Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America NDIR Gas Sensor Production

9.4.1 North America NDIR Gas Sensor Production Growth Rate (2019-2024)

9.4.2 North America NDIR Gas Sensor Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe NDIR Gas Sensor Production

9.5.1 Europe NDIR Gas Sensor Production Growth Rate (2019-2024)

9.5.2 Europe NDIR Gas Sensor Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan NDIR Gas Sensor Production (2019-2024)

9.6.1 Japan NDIR Gas Sensor Production Growth Rate (2019-2024)

9.6.2 Japan NDIR Gas Sensor Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China NDIR Gas Sensor Production (2019-2024)

9.7.1 China NDIR Gas Sensor Production Growth Rate (2019-2024)

9.7.2 China NDIR Gas Sensor Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 Siemens AG

10.1.1 Siemens AG NDIR Gas Sensor Basic Information

10.1.2 Siemens AG NDIR Gas Sensor Product Overview

10.1.3 Siemens AG NDIR Gas Sensor Product Market Performance

10.1.4 Siemens AG Business Overview

10.1.5 Siemens AG NDIR Gas Sensor SWOT Analysis

10.1.6 Siemens AG Recent Developments

10.2 Honeywell

10.2.1 Honeywell NDIR Gas Sensor Basic Information

10.2.2 Honeywell NDIR Gas Sensor Product Overview

10.2.3 Honeywell NDIR Gas Sensor Product Market Performance

10.2.4 Honeywell Business Overview

10.2.5 Honeywell NDIR Gas Sensor SWOT Analysis

10.2.6 Honeywell Recent Developments

10.3 Vaisala

10.3.1 Vaisala NDIR Gas Sensor Basic Information

10.3.2 Vaisala NDIR Gas Sensor Product Overview

10.3.3 Vaisala NDIR Gas Sensor Product Market Performance

10.3.4 Vaisala NDIR Gas Sensor SWOT Analysis

10.3.5 Vaisala Business Overview

10.3.6 Vaisala Recent Developments

10.4 SenseAir (Asahi Kasei)

10.4.1 SenseAir (Asahi Kasei) NDIR Gas Sensor Basic Information

10.4.2 SenseAir (Asahi Kasei) NDIR Gas Sensor Product Overview

- 10.4.3 SenseAir (Asahi Kasei) NDIR Gas Sensor Product Market Performance
- 10.4.4 SenseAir (Asahi Kasei) Business Overview
- 10.4.5 SenseAir (Asahi Kasei) Recent Developments
- 10.5 Amphenol Corporation
 - 10.5.1 Amphenol Corporation NDIR Gas Sensor Basic Information
 - 10.5.2 Amphenol Corporation NDIR Gas Sensor Product Overview
 - 10.5.3 Amphenol Corporation NDIR Gas Sensor Product Market Performance
 - 10.5.4 Amphenol Corporation Business Overview
 - 10.5.5 Amphenol Corporation Recent Developments
- 10.6 Sensirion AG
 - 10.6.1 Sensirion AG NDIR Gas Sensor Basic Information
 - 10.6.2 Sensirion AG NDIR Gas Sensor Product Overview
 - 10.6.3 Sensirion AG NDIR Gas Sensor Product Market Performance
 - 10.6.4 Sensirion AG Business Overview
 - 10.6.5 Sensirion AG Recent Developments
- 10.7 Trane
 - 10.7.1 Trane NDIR Gas Sensor Basic Information
 - 10.7.2 Trane NDIR Gas Sensor Product Overview
 - 10.7.3 Trane NDIR Gas Sensor Product Market Performance
 - 10.7.4 Trane Business Overview
 - 10.7.5 Trane Recent Developments
- 10.8 E + E ELEKTRONIK
 - 10.8.1 E + E ELEKTRONIK NDIR Gas Sensor Basic Information
 - 10.8.2 E + E ELEKTRONIK NDIR Gas Sensor Product Overview
 - 10.8.3 E + E ELEKTRONIK NDIR Gas Sensor Product Market Performance
 - 10.8.4 E + E ELEKTRONIK Business Overview
 - 10.8.5 E + E ELEKTRONIK Recent Developments
- 10.9 Figaro
 - 10.9.1 Figaro NDIR Gas Sensor Basic Information
 - 10.9.2 Figaro NDIR Gas Sensor Product Overview
 - 10.9.3 Figaro NDIR Gas Sensor Product Market Performance
 - 10.9.4 Figaro Business Overview
 - 10.9.5 Figaro Recent Developments
- 10.10 Gas Sensing Solutions
 - 10.10.1 Gas Sensing Solutions NDIR Gas Sensor Basic Information
 - 10.10.2 Gas Sensing Solutions NDIR Gas Sensor Product Overview
 - 10.10.3 Gas Sensing Solutions NDIR Gas Sensor Product Market Performance
 - 10.10.4 Gas Sensing Solutions Business Overview
 - 10.10.5 Gas Sensing Solutions Recent Developments

10.11 Ati Airtest Technologies Inc.

10.11.1 Ati Airtest Technologies Inc. NDIR Gas Sensor Basic Information

10.11.2 Ati Airtest Technologies Inc. NDIR Gas Sensor Product Overview

10.11.3 Ati Airtest Technologies Inc. NDIR Gas Sensor Product Market Performance

10.11.4 Ati Airtest Technologies Inc. Business Overview

10.11.5 Ati Airtest Technologies Inc. Recent Developments

10.12 Zhengzhou Winsen Electronics Technology Co.

10.12.1 Zhengzhou Winsen Electronics Technology Co. NDIR Gas Sensor Basic Information

10.12.2 Zhengzhou Winsen Electronics Technology Co. NDIR Gas Sensor Product Overview

10.12.3 Zhengzhou Winsen Electronics Technology Co. NDIR Gas Sensor Product Market Performance

10.12.4 Zhengzhou Winsen Electronics Technology Co. Business Overview

10.12.5 Zhengzhou Winsen Electronics Technology Co. Recent Developments

10.13 Ltd. (Henan Hanwei Electronics)

10.13.1 Ltd. (Henan Hanwei Electronics) NDIR Gas Sensor Basic Information

10.13.2 Ltd. (Henan Hanwei Electronics) NDIR Gas Sensor Product Overview

10.13.3 Ltd. (Henan Hanwei Electronics) NDIR Gas Sensor Product Market Performance

10.13.4 Ltd. (Henan Hanwei Electronics) Business Overview

10.13.5 Ltd. (Henan Hanwei Electronics) Recent Developments

10.14 Digital Control System Inc

10.14.1 Digital Control System Inc NDIR Gas Sensor Basic Information

10.14.2 Digital Control System Inc NDIR Gas Sensor Product Overview

10.14.3 Digital Control System Inc NDIR Gas Sensor Product Market Performance

10.14.4 Digital Control System Inc Business Overview

10.14.5 Digital Control System Inc Recent Developments

10.15 ELT SENSOR Corp.

10.15.1 ELT SENSOR Corp. NDIR Gas Sensor Basic Information

10.15.2 ELT SENSOR Corp. NDIR Gas Sensor Product Overview

10.15.3 ELT SENSOR Corp. NDIR Gas Sensor Product Market Performance

10.15.4 ELT SENSOR Corp. Business Overview

10.15.5 ELT SENSOR Corp. Recent Developments

10.16 Cubic Sensor and Instrument Co.,Ltd

10.16.1 Cubic Sensor and Instrument Co.,Ltd NDIR Gas Sensor Basic Information

10.16.2 Cubic Sensor and Instrument Co.,Ltd NDIR Gas Sensor Product Overview

10.16.3 Cubic Sensor and Instrument Co.,Ltd NDIR Gas Sensor Product Market Performance

- 10.16.4 Cubic Sensor and Instrument Co.,Ltd Business Overview
- 10.16.5 Cubic Sensor and Instrument Co.,Ltd Recent Developments
- 10.17 ELT SENSOR
 - 10.17.1 ELT SENSOR NDIR Gas Sensor Basic Information
 - 10.17.2 ELT SENSOR NDIR Gas Sensor Product Overview
 - 10.17.3 ELT SENSOR NDIR Gas Sensor Product Market Performance
 - 10.17.4 ELT SENSOR Business Overview
 - 10.17.5 ELT SENSOR Recent Developments
- 10.18 Dwyer Instruments
 - 10.18.1 Dwyer Instruments NDIR Gas Sensor Basic Information
 - 10.18.2 Dwyer Instruments NDIR Gas Sensor Product Overview
 - 10.18.3 Dwyer Instruments NDIR Gas Sensor Product Market Performance
 - 10.18.4 Dwyer Instruments Business Overview
 - 10.18.5 Dwyer Instruments Recent Developments
- 10.19 Micro-Hybrid Electronic GmbH
 - 10.19.1 Micro-Hybrid Electronic GmbH NDIR Gas Sensor Basic Information
 - 10.19.2 Micro-Hybrid Electronic GmbH NDIR Gas Sensor Product Overview
 - 10.19.3 Micro-Hybrid Electronic GmbH NDIR Gas Sensor Product Market Performance
 - 10.19.4 Micro-Hybrid Electronic GmbH Business Overview
 - 10.19.5 Micro-Hybrid Electronic GmbH Recent Developments
- 10.20 Edinburgh Instruments
 - 10.20.1 Edinburgh Instruments NDIR Gas Sensor Basic Information
 - 10.20.2 Edinburgh Instruments NDIR Gas Sensor Product Overview
 - 10.20.3 Edinburgh Instruments NDIR Gas Sensor Product Market Performance
 - 10.20.4 Edinburgh Instruments Business Overview
 - 10.20.5 Edinburgh Instruments Recent Developments
- 10.21 Alphasense
 - 10.21.1 Alphasense NDIR Gas Sensor Basic Information
 - 10.21.2 Alphasense NDIR Gas Sensor Product Overview
 - 10.21.3 Alphasense NDIR Gas Sensor Product Market Performance
 - 10.21.4 Alphasense Business Overview
 - 10.21.5 Alphasense Recent Developments

11 NDIR GAS SENSOR MARKET FORECAST BY REGION

- 11.1 Global NDIR Gas Sensor Market Size Forecast
- 11.2 Global NDIR Gas Sensor Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country

- 11.2.2 Europe NDIR Gas Sensor Market Size Forecast by Country
- 11.2.3 Asia Pacific NDIR Gas Sensor Market Size Forecast by Region
- 11.2.4 South America NDIR Gas Sensor Market Size Forecast by Country
- 11.2.5 Middle East and Africa Forecasted Consumption of NDIR Gas Sensor by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

- 12.1 Global NDIR Gas Sensor Market Forecast by Type (2025-2032)
 - 12.1.1 Global Forecasted Sales of NDIR Gas Sensor by Type (2025-2032)
 - 12.1.2 Global NDIR Gas Sensor Market Size Forecast by Type (2025-2032)
 - 12.1.3 Global Forecasted Price of NDIR Gas Sensor by Type (2025-2032)
- 12.2 Global NDIR Gas Sensor Market Forecast by Application (2025-2032)
 - 12.2.1 Global NDIR Gas Sensor Sales (K Units) Forecast by Application
 - 12.2.2 Global NDIR Gas Sensor Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type
Table 2. Introduction of the Application
Table 3. Market Size (M USD) Segment Executive Summary
Table 4. NDIR Gas Sensor Market Size Comparison by Region (M USD)
Table 5. Global NDIR Gas Sensor Sales (K Units) by Manufacturers (2019-2024)
Table 6. Global NDIR Gas Sensor Sales Market Share by Manufacturers (2019-2024)
Table 7. Global NDIR Gas Sensor Revenue (M USD) by Manufacturers (2019-2024)
Table 8. Global NDIR Gas Sensor Revenue Share by Manufacturers (2019-2024)
Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in NDIR Gas Sensor as of 2022)
Table 10. Global Market NDIR Gas Sensor Average Price (USD/Unit) of Key Manufacturers (2019-2024)
Table 11. Manufacturers NDIR Gas Sensor Sales Sites and Area Served
Table 12. Manufacturers NDIR Gas Sensor Product Type
Table 13. Global NDIR Gas Sensor Manufacturers Market Concentration Ratio (CR5 and HHI)
Table 14. Mergers & Acquisitions, Expansion Plans
Table 15. Industry Chain Map of NDIR Gas Sensor
Table 16. Market Overview of Key Raw Materials
Table 17. Midstream Market Analysis
Table 18. Downstream Customer Analysis
Table 19. Key Development Trends
Table 20. Driving Factors
Table 21. NDIR Gas Sensor Market Challenges
Table 22. Global NDIR Gas Sensor Sales by Type (K Units)
Table 23. Global NDIR Gas Sensor Market Size by Type (M USD)
Table 24. Global NDIR Gas Sensor Sales (K Units) by Type (2019-2024)
Table 25. Global NDIR Gas Sensor Sales Market Share by Type (2019-2024)
Table 26. Global NDIR Gas Sensor Market Size (M USD) by Type (2019-2024)
Table 27. Global NDIR Gas Sensor Market Size Share by Type (2019-2024)
Table 28. Global NDIR Gas Sensor Price (USD/Unit) by Type (2019-2024)
Table 29. Global NDIR Gas Sensor Sales (K Units) by Application
Table 30. Global NDIR Gas Sensor Market Size by Application
Table 31. Global NDIR Gas Sensor Sales by Application (2019-2024) & (K Units)
Table 32. Global NDIR Gas Sensor Sales Market Share by Application (2019-2024)

Table 33. Global NDIR Gas Sensor Sales by Application (2019-2024) & (M USD)
Table 34. Global NDIR Gas Sensor Market Share by Application (2019-2024)
Table 35. Global NDIR Gas Sensor Sales Growth Rate by Application (2019-2024)
Table 36. Global NDIR Gas Sensor Sales by Region (2019-2024) & (K Units)
Table 37. Global NDIR Gas Sensor Sales Market Share by Region (2019-2024)
Table 38. North America NDIR Gas Sensor Sales by Country (2019-2024) & (K Units)
Table 39. Europe NDIR Gas Sensor Sales by Country (2019-2024) & (K Units)
Table 40. Asia Pacific NDIR Gas Sensor Sales by Region (2019-2024) & (K Units)
Table 41. South America NDIR Gas Sensor Sales by Country (2019-2024) & (K Units)
Table 42. Middle East and Africa NDIR Gas Sensor Sales by Region (2019-2024) & (K Units)
Table 43. Global NDIR Gas Sensor Production (K Units) by Region (2019-2024)
Table 44. Global NDIR Gas Sensor Revenue (US\$ Million) by Region (2019-2024)
Table 45. Global NDIR Gas Sensor Revenue Market Share by Region (2019-2024)
Table 46. Global NDIR Gas Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 47. North America NDIR Gas Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 48. Europe NDIR Gas Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 49. Japan NDIR Gas Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 50. China NDIR Gas Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 51. Siemens AG NDIR Gas Sensor Basic Information
Table 52. Siemens AG NDIR Gas Sensor Product Overview
Table 53. Siemens AG NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 54. Siemens AG Business Overview
Table 55. Siemens AG NDIR Gas Sensor SWOT Analysis
Table 56. Siemens AG Recent Developments
Table 57. Honeywell NDIR Gas Sensor Basic Information
Table 58. Honeywell NDIR Gas Sensor Product Overview
Table 59. Honeywell NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 60. Honeywell Business Overview
Table 61. Honeywell NDIR Gas Sensor SWOT Analysis
Table 62. Honeywell Recent Developments
Table 63. Vaisala NDIR Gas Sensor Basic Information

Table 64. Vaisala NDIR Gas Sensor Product Overview
Table 65. Vaisala NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 66. Vaisala NDIR Gas Sensor SWOT Analysis
Table 67. Vaisala Business Overview
Table 68. Vaisala Recent Developments
Table 69. SenseAir (Asahi Kasei) NDIR Gas Sensor Basic Information
Table 70. SenseAir (Asahi Kasei) NDIR Gas Sensor Product Overview
Table 71. SenseAir (Asahi Kasei) NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 72. SenseAir (Asahi Kasei) Business Overview
Table 73. SenseAir (Asahi Kasei) Recent Developments
Table 74. Amphenol Corporation NDIR Gas Sensor Basic Information
Table 75. Amphenol Corporation NDIR Gas Sensor Product Overview
Table 76. Amphenol Corporation NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 77. Amphenol Corporation Business Overview
Table 78. Amphenol Corporation Recent Developments
Table 79. Sensirion AG NDIR Gas Sensor Basic Information
Table 80. Sensirion AG NDIR Gas Sensor Product Overview
Table 81. Sensirion AG NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 82. Sensirion AG Business Overview
Table 83. Sensirion AG Recent Developments
Table 84. Trane NDIR Gas Sensor Basic Information
Table 85. Trane NDIR Gas Sensor Product Overview
Table 86. Trane NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 87. Trane Business Overview
Table 88. Trane Recent Developments
Table 89. E + E ELEKTRONIK NDIR Gas Sensor Basic Information
Table 90. E + E ELEKTRONIK NDIR Gas Sensor Product Overview
Table 91. E + E ELEKTRONIK NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 92. E + E ELEKTRONIK Business Overview
Table 93. E + E ELEKTRONIK Recent Developments
Table 94. Figaro NDIR Gas Sensor Basic Information
Table 95. Figaro NDIR Gas Sensor Product Overview
Table 96. Figaro NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price

(USD/Unit) and Gross Margin (2019-2024)

Table 97. Figaro Business Overview

Table 98. Figaro Recent Developments

Table 99. Gas Sensing Solutions NDIR Gas Sensor Basic Information

Table 100. Gas Sensing Solutions NDIR Gas Sensor Product Overview

Table 101. Gas Sensing Solutions NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 102. Gas Sensing Solutions Business Overview

Table 103. Gas Sensing Solutions Recent Developments

Table 104. Ati Airtest Technologies Inc. NDIR Gas Sensor Basic Information

Table 105. Ati Airtest Technologies Inc. NDIR Gas Sensor Product Overview

Table 106. Ati Airtest Technologies Inc. NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 107. Ati Airtest Technologies Inc. Business Overview

Table 108. Ati Airtest Technologies Inc. Recent Developments

Table 109. Zhengzhou Winsen Electronics Technology Co. NDIR Gas Sensor Basic Information

Table 110. Zhengzhou Winsen Electronics Technology Co. NDIR Gas Sensor Product Overview

Table 111. Zhengzhou Winsen Electronics Technology Co. NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 112. Zhengzhou Winsen Electronics Technology Co. Business Overview

Table 113. Zhengzhou Winsen Electronics Technology Co. Recent Developments

Table 114. Ltd. (Henan Hanwei Electronics) NDIR Gas Sensor Basic Information

Table 115. Ltd. (Henan Hanwei Electronics) NDIR Gas Sensor Product Overview

Table 116. Ltd. (Henan Hanwei Electronics) NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 117. Ltd. (Henan Hanwei Electronics) Business Overview

Table 118. Ltd. (Henan Hanwei Electronics) Recent Developments

Table 119. Digital Control System Inc NDIR Gas Sensor Basic Information

Table 120. Digital Control System Inc NDIR Gas Sensor Product Overview

Table 121. Digital Control System Inc NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 122. Digital Control System Inc Business Overview

Table 123. Digital Control System Inc Recent Developments

Table 124. ELT SENSOR Corp. NDIR Gas Sensor Basic Information

Table 125. ELT SENSOR Corp. NDIR Gas Sensor Product Overview

Table 126. ELT SENSOR Corp. NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 127. ELT SENSOR Corp. Business Overview
Table 128. ELT SENSOR Corp. Recent Developments
Table 129. Cubic Sensor and Instrument Co.,Ltd NDIR Gas Sensor Basic Information
Table 130. Cubic Sensor and Instrument Co.,Ltd NDIR Gas Sensor Product Overview
Table 131. Cubic Sensor and Instrument Co.,Ltd NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 132. Cubic Sensor and Instrument Co.,Ltd Business Overview
Table 133. Cubic Sensor and Instrument Co.,Ltd Recent Developments
Table 134. ELT SENSOR NDIR Gas Sensor Basic Information
Table 135. ELT SENSOR NDIR Gas Sensor Product Overview
Table 136. ELT SENSOR NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 137. ELT SENSOR Business Overview
Table 138. ELT SENSOR Recent Developments
Table 139. Dwyer Instruments NDIR Gas Sensor Basic Information
Table 140. Dwyer Instruments NDIR Gas Sensor Product Overview
Table 141. Dwyer Instruments NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 142. Dwyer Instruments Business Overview
Table 143. Dwyer Instruments Recent Developments
Table 144. Micro-Hybrid Electronic GmbH NDIR Gas Sensor Basic Information
Table 145. Micro-Hybrid Electronic GmbH NDIR Gas Sensor Product Overview
Table 146. Micro-Hybrid Electronic GmbH NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 147. Micro-Hybrid Electronic GmbH Business Overview
Table 148. Micro-Hybrid Electronic GmbH Recent Developments
Table 149. Edinburgh Instruments NDIR Gas Sensor Basic Information
Table 150. Edinburgh Instruments NDIR Gas Sensor Product Overview
Table 151. Edinburgh Instruments NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 152. Edinburgh Instruments Business Overview
Table 153. Edinburgh Instruments Recent Developments
Table 154. Alphasense NDIR Gas Sensor Basic Information
Table 155. Alphasense NDIR Gas Sensor Product Overview
Table 156. Alphasense NDIR Gas Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 157. Alphasense Business Overview
Table 158. Alphasense Recent Developments
Table 159. Global NDIR Gas Sensor Sales Forecast by Region (2025-2032) & (K Units)

Table 160. Global NDIR Gas Sensor Market Size Forecast by Region (2025-2032) & (M USD)

Table 161. North America NDIR Gas Sensor Sales Forecast by Country (2025-2032) & (K Units)

Table 162. North America NDIR Gas Sensor Market Size Forecast by Country (2025-2032) & (M USD)

Table 163. Europe NDIR Gas Sensor Sales Forecast by Country (2025-2032) & (K Units)

Table 164. Europe NDIR Gas Sensor Market Size Forecast by Country (2025-2032) & (M USD)

Table 165. Asia Pacific NDIR Gas Sensor Sales Forecast by Region (2025-2032) & (K Units)

Table 166. Asia Pacific NDIR Gas Sensor Market Size Forecast by Region (2025-2032) & (M USD)

Table 167. South America NDIR Gas Sensor Sales Forecast by Country (2025-2032) & (K Units)

Table 168. South America NDIR Gas Sensor Market Size Forecast by Country (2025-2032) & (M USD)

Table 169. Middle East and Africa NDIR Gas Sensor Consumption Forecast by Country (2025-2032) & (Units)

Table 170. Middle East and Africa NDIR Gas Sensor Market Size Forecast by Country (2025-2032) & (M USD)

Table 171. Global NDIR Gas Sensor Sales Forecast by Type (2025-2032) & (K Units)

Table 172. Global NDIR Gas Sensor Market Size Forecast by Type (2025-2032) & (M USD)

Table 173. Global NDIR Gas Sensor Price Forecast by Type (2025-2032) & (USD/Unit)

Table 174. Global NDIR Gas Sensor Sales (K Units) Forecast by Application (2025-2032)

Table 175. Global NDIR Gas Sensor Market Size Forecast by Application (2025-2032) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of NDIR Gas Sensor
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global NDIR Gas Sensor Market Size (M USD), 2019-2032
- Figure 5. Global NDIR Gas Sensor Market Size (M USD) (2019-2032)
- Figure 6. Global NDIR Gas Sensor Sales (K Units) & (2019-2032)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. NDIR Gas Sensor Market Size by Country (M USD)
- Figure 11. NDIR Gas Sensor Sales Share by Manufacturers in 2023
- Figure 12. Global NDIR Gas Sensor Revenue Share by Manufacturers in 2023
- Figure 13. NDIR Gas Sensor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market NDIR Gas Sensor Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by NDIR Gas Sensor Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global NDIR Gas Sensor Market Share by Type
- Figure 18. Sales Market Share of NDIR Gas Sensor by Type (2019-2024)
- Figure 19. Sales Market Share of NDIR Gas Sensor by Type in 2023
- Figure 20. Market Size Share of NDIR Gas Sensor by Type (2019-2024)
- Figure 21. Market Size Market Share of NDIR Gas Sensor by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global NDIR Gas Sensor Market Share by Application
- Figure 24. Global NDIR Gas Sensor Sales Market Share by Application (2019-2024)
- Figure 25. Global NDIR Gas Sensor Sales Market Share by Application in 2023
- Figure 26. Global NDIR Gas Sensor Market Share by Application (2019-2024)
- Figure 27. Global NDIR Gas Sensor Market Share by Application in 2023
- Figure 28. Global NDIR Gas Sensor Sales Growth Rate by Application (2019-2024)
- Figure 29. Global NDIR Gas Sensor Sales Market Share by Region (2019-2024)
- Figure 30. North America NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 31. North America NDIR Gas Sensor Sales Market Share by Country in 2023

- Figure 32. U.S. NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 33. Canada NDIR Gas Sensor Sales (K Units) and Growth Rate (2019-2024)
- Figure 34. Mexico NDIR Gas Sensor Sales (Units) and Growth Rate (2019-2024)
- Figure 35. Europe NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 36. Europe NDIR Gas Sensor Sales Market Share by Country in 2023
- Figure 37. Germany NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 38. France NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 39. U.K. NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 40. Italy NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 41. Russia NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 42. Asia Pacific NDIR Gas Sensor Sales and Growth Rate (K Units)
- Figure 43. Asia Pacific NDIR Gas Sensor Sales Market Share by Region in 2023
- Figure 44. China NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 45. Japan NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 46. South Korea NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 47. India NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 48. Southeast Asia NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 49. South America NDIR Gas Sensor Sales and Growth Rate (K Units)
- Figure 50. South America NDIR Gas Sensor Sales Market Share by Country in 2023
- Figure 51. Brazil NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 52. Argentina NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 53. Columbia NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 54. Middle East and Africa NDIR Gas Sensor Sales and Growth Rate (K Units)
- Figure 55. Middle East and Africa NDIR Gas Sensor Sales Market Share by Region in 2023
- Figure 56. Saudi Arabia NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 57. UAE NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 58. Egypt NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 59. Nigeria NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 60. South Africa NDIR Gas Sensor Sales and Growth Rate (2019-2024) & (K Units)
- Figure 61. Global NDIR Gas Sensor Production Market Share by Region (2019-2024)
- Figure 62. North America NDIR Gas Sensor Production (K Units) Growth Rate (2019-2024)
- Figure 63. Europe NDIR Gas Sensor Production (K Units) Growth Rate (2019-2024)
- Figure 64. Japan NDIR Gas Sensor Production (K Units) Growth Rate (2019-2024)

Figure 65. China NDIR Gas Sensor Production (K Units) Growth Rate (2019-2024)

Figure 66. Global NDIR Gas Sensor Sales Forecast by Volume (2019-2032) & (K Units)

Figure 67. Global NDIR Gas Sensor Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global NDIR Gas Sensor Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global NDIR Gas Sensor Market Share Forecast by Type (2025-2032)

Figure 70. Global NDIR Gas Sensor Sales Forecast by Application (2025-2032)

Figure 71. Global NDIR Gas Sensor Market Share Forecast by Application (2025-2032)

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