

Global Odor Sensor Market Size study, by Sensor Type (Biosensors, Chemical Sensors, Mass Spectrometry Sensors, Others), by Instrument Type (One Element Odor Sensor, Multi-odor Sensors), by Application (Smell Visualization and Standardization, Food Quality Control, Medical Diagnosis, Others), by End User and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G3BC590E3C36EN.html>

Date: June 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G3BC590E3C36EN

Abstracts

Global Odor Sensor Market is valued at approximately USD 2552.21 million in 2023 and is anticipated to grow with a healthy growth rate of more than 29.53 % over the forecast period 2024-2032. An Odor Sensor is a device that detects and measures specific compounds present in the air. It is also known as Electrical nose. There are various types of sensors such as metal oxide semi-conductor, electrochemical sensors, biological sensors, photoionization sensor, infrared sensors and surface acoustic waves sensors. The Global Odor Sensor Market is trending and gaining significant attention due to combination of technological advancements and expanding applications across various markets. These sensors are now widely used in environmental monitoring, healthcare, food and beverage quality control and automotive air quality systems.

The increase in public awareness of air pollution and its negative healthcare effects is driving the Global Odor Sensor Market. As people become increasingly concerned about the air they breathe, there is an increase in demand for air quality monitoring and improvement solutions. The growing demand for food safety and quality control plays a vital role in Global Odor Sensor Market. Odor sensors play an important role in this by detecting hazardous Volatile Organic Compounds (VOCs) that can be harmful to human health. However, the Global Odor Sensor Market is not without its challenges. The technology is still in its early stages, and sensor accuracy and dependability can vary

depending on the application. Furthermore, the high cost of sensor types can limit their use in specific industries.

The key regions considered for the Global Odor Sensor market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, Asia Pacific region is dominating the Global Odor Sensor Market. This region's rapid industrialization has resulted in increased air pollution and the need for tougher emission control rules. Governments throughout the Asia Pacific are enacting stronger environmental rules, presenting considerable potential for odour sensor makers. Furthermore, the healthcare industry in this region is actively researching the application of odour sensors for disease diagnosis, which presents a new opportunity for market growth. China is predicted to have a considerable market share in the Asia-Pacific region. This can be due to increased investment by major companies in the odour sensor business, as well as rising demand for odour detection technology-based security solutions. US is the fastest growing region in the forecasts period.

Major market player included in this report are:

Envirosuite Limited
Figaro Engineering Inc.
Panasonic Corporation
Honeywell International Inc.
Aryballe Technologies SA
New Cosmos Electric Co. Ltd.
Drager AG & Co. KGaA
Aeroqual Limited
Comon Invent B.V.
Membrapor AG

The detailed segments and sub-segment of the market are explained below:

By Sensor Type

Biosensors
Chemical Sensors
Mass Spectrometry Sensors
Differential Optical Absorption Spectrometers
Others

By Instrument Type

One Element Odor Sensor
Multi-odor Sensors

By Application

Smell Visualization and Standardization

Food Quality Control

Medical Diagnosis

Air Control and Environmental Monitoring

Others

By End User

Military and Defense

Agriculture

Healthcare

Entertainment

Renewable Energy Generation and Waste Mangement

Food & Beverages

Cosmetics

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa
Saudi Arabia
South Africa
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL ODOR SENSOR MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Global Odor Sensor Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
 - 2.3.1. By Sensor Type
 - 2.3.2. By Instrument Type
 - 2.3.3. By Application
 - 2.3.4. By End User
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

CHAPTER 3. GLOBAL ODOR SENSOR MARKET DYNAMICS

Global Odor Sensor Market Size study, by Sensor Type (Biosensors, Chemical Sensors, Mass Spectrometry Sensors,...

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. GLOBAL ODOR SENSOR MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ODOR SENSOR MARKET SIZE & FORECASTS BY SENSOR TYPE 2022-2032

- 5.1. Biosensors
- 5.2. Chemical Sensors
- 5.3. Mass Spectrometry Sensors
- 5.4. Differential Optical Absorption Spectrometers
- 5.5. Others

CHAPTER 6. GLOBAL ODOR SENSOR MARKET SIZE & FORECASTS BY INSTRUMENTS TYPE 2022-2032

- 6.1. One Element Odor Sensor
- 6.2. Multi-odor Sensors

CHAPTER 7. GLOBAL ODOR SENSOR MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

- 7.1. Smell Visualization and Standardization
- 7.2. Food Quality Control
- 7.3. Medical Diagnosis
- 7.4. Air Control and Environmental Monitoring
- 7.5. Others

CHAPTER 8. GLOBAL ODOR SENSOR MARKET SIZE & FORECASTS BY END USER 2022-2032

- 8.1. Military and Defense
- 8.2. Agriculture
- 8.3. Healthcare
- 8.4. Entertainment
- 8.5. Renewable Energy Generation and Waste Management
- 8.6. Food & Beverages
- 8.7. Cosmetics
- 8.8. Others

CHAPTER 9. GLOBAL ODOR SENSOR MARKET SIZE & FORECASTS BY REGION 2022-2032

- 9.1. North America Odor Sensor Market
 - 9.1.1. U.S. Odor Sensor Market
 - 9.1.1.1. Sensor Type breakdown size & forecasts, 2022-2032
 - 9.1.1.2. Instrument Type breakdown size & forecasts, 2022-2032
 - 9.1.1.3. Application breakdown size & forecasts, 2022-2032
 - 9.1.1.4. End User breakdown size & forecasts, 2022-2032
 - 9.1.2. Canada Odor Sensor Market
- 9.2. Europe Odor Sensor Market
 - 9.2.1. U.K. Odor Sensor Market
 - 9.2.2. Germany Odor Sensor Market
 - 9.2.3. France Odor Sensor Market

- 9.2.4. Spain Odor Sensor Market
- 9.2.5. Italy Odor Sensor Market
- 9.2.6. Rest of Europe Odor Sensor Market
- 9.3. Asia-Pacific Odor Sensor Market
 - 9.3.1. China Odor Sensor Market
 - 9.3.2. India Odor Sensor Market
 - 9.3.3. Japan Odor Sensor Market
 - 9.3.4. Australia Odor Sensor Market
 - 9.3.5. South Korea Odor Sensor Market
 - 9.3.6. Rest of Asia Pacific Odor Sensor Market
- 9.4. Latin America Odor Sensor Market
 - 9.4.1. Brazil Odor Sensor Market
 - 9.4.2. Mexico Odor Sensor Market
 - 9.4.3. Rest of Latin America Odor Sensor Market
- 9.5. Middle East & Africa Odor Sensor Market
 - 9.5.1. Saudi Arabia Odor Sensor Market
 - 9.5.2. South Africa Odor Sensor Market
 - 9.5.3. Rest of Middle East & Africa Odor Sensor Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company
 - 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. Envirosuite Limited
 - 10.3.1.1. Key Information
 - 10.3.1.2. Overview
 - 10.3.1.3. Financial (Subject to Data Availability)
 - 10.3.1.4. Product Summary
 - 10.3.1.5. Market Strategies
 - 10.3.2. Figaro Engineering Inc.
 - 10.3.3. Panasonic Corporation
 - 10.3.4. Honeywell International
 - 10.3.5. Aryballe Technologies SA
 - 10.3.6. New Cosmos Electric Co. Ltd.
 - 10.3.7. Drager AG & Co. KGaA

- 10.3.8. Aeroqual Limited
- 10.3.9. Comon Invent B.V.
- 10.3.10. Membrapor AG

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Odor Sensor market, report scope

TABLE 2. Global Odor Sensor market estimates & forecasts by Region 2022-2032
(USD Million)

TABLE 3. Global Odor Sensor market estimates & forecasts by Sensor Type 2022-2032
(USD Million)

TABLE 4. Global Odor Sensor market estimates & forecasts by Instrument Type
2022-2032 (USD Million)

TABLE 5. Global Odor Sensor market estimates & forecasts by Application 2022-2032
(USD Million)

TABLE 6. Global Odor Sensor market estimates & forecasts by End User 2022-2032
(USD Million)

TABLE 7.

TABLE 8. Global Odor Sensor market by segment, estimates & forecasts, 2022-2032
(USD Million)

TABLE 9. Global Odor Sensor market by region, estimates & forecasts, 2022-2032
(USD Million)

TABLE 10. Global Odor Sensor market by segment, estimates & forecasts, 2022-2032
(USD Million)

TABLE 11. Global Odor Sensor market by region, estimates & forecasts, 2022-2032
(USD Million)

TABLE 12. Global Odor Sensor market by segment, estimates & forecasts, 2022-2032
(USD Million)

TABLE 13. Global Odor Sensor market by region, estimates & forecasts, 2022-2032
(USD Million)

TABLE 14. Global Odor Sensor market by segment, estimates & forecasts, 2022-2032
(USD Million)

TABLE 15. Global Odor Sensor market by region, estimates & forecasts, 2022-2032
(USD Million)

TABLE 16. Global Odor Sensor market by segment, estimates & forecasts, 2022-2032
(USD Million)

TABLE 17. Global Odor Sensor market by region, estimates & forecasts, 2022-2032
(USD Million)

TABLE 18. U.S. Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 19. U.S. Odor Sensor market estimates & forecasts by segment 2022-2032
(USD Million)

TABLE 20. U.S. Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 21. Canada Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 22. Canada Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 23. Canada Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 24. UK Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 25. UK Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 26. UK Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 27. Germany Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 28. Germany Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 29. Germany Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 30. France Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 31. France Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 32. France Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 33. Italy Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 34. Italy Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 35. Italy Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 36. Spain Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 37. Spain Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 38. Spain Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 39. RoE Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 40. RoE Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 41. RoE Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 42. China Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 43. China Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 44. China Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 45. India Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 46. India Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 47. India Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 48. Japan Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 49. Japan Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 50. Japan Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 51. Australia Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 52. Australia Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 53. Australia Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 54. South Korea Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 55. South Korea Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 56. South Korea Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 57.

TABLE 58. RoAPAC Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 59. RoAPAC Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 60. RoAPAC Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 61. Brazil Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 62. Brazil Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 63. Brazil Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 64. Mexico Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 65. Mexico Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 66. Mexico Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 67. RoLA Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 68. RoLA Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 69. RoLA Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 70. Saudi Arabia Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 71. Saudi Arabia Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 72. Saudi Arabia Odor Sensor market estimates & forecasts, 2022-2032 (USD Million)

TABLE 73. South Africa Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 74.

TABLE 75. South Africa Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 76. South Africa Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 77. RoMEA Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 78. RoMEA Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 79. RoMEA Odor Sensor market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 80. List of secondary sources, used in the study of Global Odor Sensor Market.

TABLE 81. List of primary sources, used in the study of Global Odor Sensor Market.

TABLE 82. Years considered for the study.

TABLE 83. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Odor Sensor market, research methodology
- FIG 2. Global Odor Sensor market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Odor Sensor market, key trends 2023
- FIG 5. Global Odor Sensor market, growth prospects 2022-2032
- FIG 6. Global Odor Sensor market, porters 5 force model
- FIG 7. Global Odor Sensor market, pestel analysis
- FIG 8. Global Odor Sensor market, value chain analysis
- FIG 9. Global Odor Sensor market by segment, 2022 & 2032 (USD Million)
- FIG 10. Global Odor Sensor market by segment, 2022 & 2032 (USD Million)
- FIG 11. Global Odor Sensor market by segment, 2022 & 2032 (USD Million)
- FIG 12. Global Odor Sensor market by segment, 2022 & 2032 (USD Million)
- FIG 13. Global Odor Sensor market by segment, 2022 & 2032 (USD Million)
- FIG 14. Global Odor Sensor market, regional snapshot 2022 & 2032
- FIG 15. North America Odor Sensor market 2022 & 2032 (USD Million)
- FIG 16. Europe Odor Sensor market 2022 & 2032 (USD Million)
- FIG 17. Asia pacific Odor Sensor market 2022 & 2032 (USD Million)
- FIG 18. Latin America Odor Sensor market 2022 & 2032 (USD Million)
- FIG 19. Middle East & Africa Odor Sensor market 2022 & 2032 (USD Million)
- FIG 20. Global Odor Sensor market, company market share analysis (2023)

I would like to order

Product name: Global Odor Sensor Market Size study, by Sensor Type (Biosensors, Chemical Sensors, Mass Spectrometry Sensors, Others), by Instrument Type (One Element Odor Sensor, Multi-odor Sensors), by Application (Smell Visualization and Standardization, Food Quality Control, Medical Diagnosis, Others), by End User and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G3BC590E3C36EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G3BC590E3C36EN.html>

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

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

****All fields are required**

Customer signature _____

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

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