

Global Optical DO Sensors Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Optical DO Sensors market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Optical DO sensors are advanced devices used to measure the concentration of dissolved oxygen in liquids. These sensors operate based on the principle of fluorescence or phosphorescence quenching, where a fluorescent or phosphorescent material is excited by a light source, and its emission is quenched in the presence of oxygen. The amount of quenching is directly proportional to the concentration of dissolved oxygen in the sample.

This report is a detailed and comprehensive analysis for global Optical DO Sensors market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Optical DO Sensors market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Optical DO Sensors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Optical DO Sensors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Optical DO Sensors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Optical DO Sensors
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Optical DO Sensors market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, HORIBA, Yokogawa Electric, Hamilton Company, In-Situ, METTLER TOLEDO, OPTEX, YSI Inc. (Xylem Inc), Endress+Hauser, Thermo Scientific, etc.

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

Market Segmentation

Optical DO Sensors market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Plastic Sensor

Metal Sensor

Market segment by Application

Environmental Monitoring

Wastewater Treatment

Aquaculture

Others

Major players covered

ABB

HORIBA

Yokogawa Electric

Hamilton Company

In-Situ

METTLER TOLEDO

OPTEX

YSI Inc. (Xylem Inc)

Endress+Hauser

Thermo Scientific

Emerson

PASCO

Hach

Sensorex

Sea-Bird

JUMO GmbH

Autotronic Enterprise (AECL)

Aqualabo

Vernier

Hanna Instruments

Supmea

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Optical DO Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Optical DO Sensors, with price, sales quantity, revenue, and global market share of Optical DO Sensors from 2020 to 2025.

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

Chapter 4, the Optical DO Sensors breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Optical DO Sensors market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of Optical DO Sensors.

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

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Optical DO Sensors Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Plastic Sensor

1.3.3 Metal Sensor

1.4 Market Analysis by Application

1.4.1 Overview: Global Optical DO Sensors Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Environmental Monitoring

1.4.3 Wastewater Treatment

1.4.4 Aquaculture

1.4.5 Others

1.5 Global Optical DO Sensors Market Size & Forecast

1.5.1 Global Optical DO Sensors Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Optical DO Sensors Sales Quantity (2020-2031)

1.5.3 Global Optical DO Sensors Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 ABB

2.1.1 ABB Details

2.1.2 ABB Major Business

2.1.3 ABB Optical DO Sensors Product and Services

2.1.4 ABB Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 ABB Recent Developments/Updates

2.2 HORIBA

2.2.1 HORIBA Details

2.2.2 HORIBA Major Business

2.2.3 HORIBA Optical DO Sensors Product and Services

2.2.4 HORIBA Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 HORIBA Recent Developments/Updates

2.3 Yokogawa Electric

2.3.1 Yokogawa Electric Details

2.3.2 Yokogawa Electric Major Business

2.3.3 Yokogawa Electric Optical DO Sensors Product and Services

2.3.4 Yokogawa Electric Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Yokogawa Electric Recent Developments/Updates

2.4 Hamilton Company

2.4.1 Hamilton Company Details

2.4.2 Hamilton Company Major Business

2.4.3 Hamilton Company Optical DO Sensors Product and Services

2.4.4 Hamilton Company Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Hamilton Company Recent Developments/Updates

2.5 In-Situ

2.5.1 In-Situ Details

2.5.2 In-Situ Major Business

2.5.3 In-Situ Optical DO Sensors Product and Services

2.5.4 In-Situ Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 In-Situ Recent Developments/Updates

2.6 METTLER TOLEDO

2.6.1 METTLER TOLEDO Details

2.6.2 METTLER TOLEDO Major Business

2.6.3 METTLER TOLEDO Optical DO Sensors Product and Services

2.6.4 METTLER TOLEDO Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 METTLER TOLEDO Recent Developments/Updates

2.7 OPTEX

2.7.1 OPTEX Details

2.7.2 OPTEX Major Business

2.7.3 OPTEX Optical DO Sensors Product and Services

2.7.4 OPTEX Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 OPTEX Recent Developments/Updates

2.8 YSI Inc. (Xylem Inc)

2.8.1 YSI Inc. (Xylem Inc) Details

2.8.2 YSI Inc. (Xylem Inc) Major Business

2.8.3 YSI Inc. (Xylem Inc) Optical DO Sensors Product and Services

- 2.8.4 YSI Inc. (Xylem Inc) Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 YSI Inc. (Xylem Inc) Recent Developments/Updates
- 2.9 Endress+Hauser
 - 2.9.1 Endress+Hauser Details
 - 2.9.2 Endress+Hauser Major Business
 - 2.9.3 Endress+Hauser Optical DO Sensors Product and Services
 - 2.9.4 Endress+Hauser Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Endress+Hauser Recent Developments/Updates
- 2.10 Thermo Scientific
 - 2.10.1 Thermo Scientific Details
 - 2.10.2 Thermo Scientific Major Business
 - 2.10.3 Thermo Scientific Optical DO Sensors Product and Services
 - 2.10.4 Thermo Scientific Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Thermo Scientific Recent Developments/Updates
- 2.11 Emerson
 - 2.11.1 Emerson Details
 - 2.11.2 Emerson Major Business
 - 2.11.3 Emerson Optical DO Sensors Product and Services
 - 2.11.4 Emerson Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Emerson Recent Developments/Updates
- 2.12 PASCO
 - 2.12.1 PASCO Details
 - 2.12.2 PASCO Major Business
 - 2.12.3 PASCO Optical DO Sensors Product and Services
 - 2.12.4 PASCO Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 PASCO Recent Developments/Updates
- 2.13 Hach
 - 2.13.1 Hach Details
 - 2.13.2 Hach Major Business
 - 2.13.3 Hach Optical DO Sensors Product and Services
 - 2.13.4 Hach Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.13.5 Hach Recent Developments/Updates
- 2.14 Sensorex

- 2.14.1 Sensorex Details
- 2.14.2 Sensorex Major Business
- 2.14.3 Sensorex Optical DO Sensors Product and Services
- 2.14.4 Sensorex Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.14.5 Sensorex Recent Developments/Updates
- 2.15 Sea-Bird
 - 2.15.1 Sea-Bird Details
 - 2.15.2 Sea-Bird Major Business
 - 2.15.3 Sea-Bird Optical DO Sensors Product and Services
 - 2.15.4 Sea-Bird Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Sea-Bird Recent Developments/Updates
- 2.16 JUMO GmbH
 - 2.16.1 JUMO GmbH Details
 - 2.16.2 JUMO GmbH Major Business
 - 2.16.3 JUMO GmbH Optical DO Sensors Product and Services
 - 2.16.4 JUMO GmbH Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 JUMO GmbH Recent Developments/Updates
- 2.17 Autotronic Enterprise (AECL)
 - 2.17.1 Autotronic Enterprise (AECL) Details
 - 2.17.2 Autotronic Enterprise (AECL) Major Business
 - 2.17.3 Autotronic Enterprise (AECL) Optical DO Sensors Product and Services
 - 2.17.4 Autotronic Enterprise (AECL) Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.17.5 Autotronic Enterprise (AECL) Recent Developments/Updates
- 2.18 Aqualabo
 - 2.18.1 Aqualabo Details
 - 2.18.2 Aqualabo Major Business
 - 2.18.3 Aqualabo Optical DO Sensors Product and Services
 - 2.18.4 Aqualabo Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.18.5 Aqualabo Recent Developments/Updates
- 2.19 Vernier
 - 2.19.1 Vernier Details
 - 2.19.2 Vernier Major Business
 - 2.19.3 Vernier Optical DO Sensors Product and Services
 - 2.19.4 Vernier Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2020-2025)

2.19.5 Vernier Recent Developments/Updates

2.20 Hanna Instruments

2.20.1 Hanna Instruments Details

2.20.2 Hanna Instruments Major Business

2.20.3 Hanna Instruments Optical DO Sensors Product and Services

2.20.4 Hanna Instruments Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.20.5 Hanna Instruments Recent Developments/Updates

2.21 Supmea

2.21.1 Supmea Details

2.21.2 Supmea Major Business

2.21.3 Supmea Optical DO Sensors Product and Services

2.21.4 Supmea Optical DO Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.21.5 Supmea Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: OPTICAL DO SENSORS BY MANUFACTURER

3.1 Global Optical DO Sensors Sales Quantity by Manufacturer (2020-2025)

3.2 Global Optical DO Sensors Revenue by Manufacturer (2020-2025)

3.3 Global Optical DO Sensors Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Optical DO Sensors by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Optical DO Sensors Manufacturer Market Share in 2024

3.4.3 Top 6 Optical DO Sensors Manufacturer Market Share in 2024

3.5 Optical DO Sensors Market: Overall Company Footprint Analysis

3.5.1 Optical DO Sensors Market: Region Footprint

3.5.2 Optical DO Sensors Market: Company Product Type Footprint

3.5.3 Optical DO Sensors Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Optical DO Sensors Market Size by Region

4.1.1 Global Optical DO Sensors Sales Quantity by Region (2020-2031)

4.1.2 Global Optical DO Sensors Consumption Value by Region (2020-2031)

- 4.1.3 Global Optical DO Sensors Average Price by Region (2020-2031)
- 4.2 North America Optical DO Sensors Consumption Value (2020-2031)
- 4.3 Europe Optical DO Sensors Consumption Value (2020-2031)
- 4.4 Asia-Pacific Optical DO Sensors Consumption Value (2020-2031)
- 4.5 South America Optical DO Sensors Consumption Value (2020-2031)
- 4.6 Middle East & Africa Optical DO Sensors Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Optical DO Sensors Sales Quantity by Type (2020-2031)
- 5.2 Global Optical DO Sensors Consumption Value by Type (2020-2031)
- 5.3 Global Optical DO Sensors Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Optical DO Sensors Sales Quantity by Application (2020-2031)
- 6.2 Global Optical DO Sensors Consumption Value by Application (2020-2031)
- 6.3 Global Optical DO Sensors Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Optical DO Sensors Sales Quantity by Type (2020-2031)
- 7.2 North America Optical DO Sensors Sales Quantity by Application (2020-2031)
- 7.3 North America Optical DO Sensors Market Size by Country
 - 7.3.1 North America Optical DO Sensors Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Optical DO Sensors Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Optical DO Sensors Sales Quantity by Type (2020-2031)
- 8.2 Europe Optical DO Sensors Sales Quantity by Application (2020-2031)
- 8.3 Europe Optical DO Sensors Market Size by Country
 - 8.3.1 Europe Optical DO Sensors Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Optical DO Sensors Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Optical DO Sensors Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Optical DO Sensors Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Optical DO Sensors Market Size by Region

9.3.1 Asia-Pacific Optical DO Sensors Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Optical DO Sensors Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Optical DO Sensors Sales Quantity by Type (2020-2031)

10.2 South America Optical DO Sensors Sales Quantity by Application (2020-2031)

10.3 South America Optical DO Sensors Market Size by Country

10.3.1 South America Optical DO Sensors Sales Quantity by Country (2020-2031)

10.3.2 South America Optical DO Sensors Consumption Value by Country
(2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Optical DO Sensors Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Optical DO Sensors Sales Quantity by Application
(2020-2031)

11.3 Middle East & Africa Optical DO Sensors Market Size by Country

11.3.1 Middle East & Africa Optical DO Sensors Sales Quantity by Country
(2020-2031)

11.3.2 Middle East & Africa Optical DO Sensors Consumption Value by Country
(2020-2031)

- 11.3.3 Turkey Market Size and Forecast (2020-2031)
- 11.3.4 Egypt Market Size and Forecast (2020-2031)
- 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
- 11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 Optical DO Sensors Market Drivers
- 12.2 Optical DO Sensors Market Restraints
- 12.3 Optical DO Sensors Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

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

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Optical DO Sensors Typical Distributors
- 14.3 Optical DO Sensors Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Optical DO Sensors Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Optical DO Sensors Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. ABB Basic Information, Manufacturing Base and Competitors

Table 4. ABB Major Business

Table 5. ABB Optical DO Sensors Product and Services

Table 6. ABB Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. ABB Recent Developments/Updates

Table 8. HORIBA Basic Information, Manufacturing Base and Competitors

Table 9. HORIBA Major Business

Table 10. HORIBA Optical DO Sensors Product and Services

Table 11. HORIBA Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. HORIBA Recent Developments/Updates

Table 13. Yokogawa Electric Basic Information, Manufacturing Base and Competitors

Table 14. Yokogawa Electric Major Business

Table 15. Yokogawa Electric Optical DO Sensors Product and Services

Table 16. Yokogawa Electric Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Yokogawa Electric Recent Developments/Updates

Table 18. Hamilton Company Basic Information, Manufacturing Base and Competitors

Table 19. Hamilton Company Major Business

Table 20. Hamilton Company Optical DO Sensors Product and Services

Table 21. Hamilton Company Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Hamilton Company Recent Developments/Updates

Table 23. In-Situ Basic Information, Manufacturing Base and Competitors

Table 24. In-Situ Major Business

Table 25. In-Situ Optical DO Sensors Product and Services

Table 26. In-Situ Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. In-Situ Recent Developments/Updates

Table 28. METTLER TOLEDO Basic Information, Manufacturing Base and Competitors

- Table 29. METTLER TOLEDO Major Business
- Table 30. METTLER TOLEDO Optical DO Sensors Product and Services
- Table 31. METTLER TOLEDO Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 32. METTLER TOLEDO Recent Developments/Updates
- Table 33. OPTEX Basic Information, Manufacturing Base and Competitors
- Table 34. OPTEX Major Business
- Table 35. OPTEX Optical DO Sensors Product and Services
- Table 36. OPTEX Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 37. OPTEX Recent Developments/Updates
- Table 38. YSI Inc. (Xylem Inc) Basic Information, Manufacturing Base and Competitors
- Table 39. YSI Inc. (Xylem Inc) Major Business
- Table 40. YSI Inc. (Xylem Inc) Optical DO Sensors Product and Services
- Table 41. YSI Inc. (Xylem Inc) Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 42. YSI Inc. (Xylem Inc) Recent Developments/Updates
- Table 43. Endress+Hauser Basic Information, Manufacturing Base and Competitors
- Table 44. Endress+Hauser Major Business
- Table 45. Endress+Hauser Optical DO Sensors Product and Services
- Table 46. Endress+Hauser Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 47. Endress+Hauser Recent Developments/Updates
- Table 48. Thermo Scientific Basic Information, Manufacturing Base and Competitors
- Table 49. Thermo Scientific Major Business
- Table 50. Thermo Scientific Optical DO Sensors Product and Services
- Table 51. Thermo Scientific Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 52. Thermo Scientific Recent Developments/Updates
- Table 53. Emerson Basic Information, Manufacturing Base and Competitors
- Table 54. Emerson Major Business
- Table 55. Emerson Optical DO Sensors Product and Services
- Table 56. Emerson Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 57. Emerson Recent Developments/Updates
- Table 58. PASCO Basic Information, Manufacturing Base and Competitors
- Table 59. PASCO Major Business
- Table 60. PASCO Optical DO Sensors Product and Services
- Table 61. PASCO Optical DO Sensors Sales Quantity (K Units), Average Price

(US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. PASCO Recent Developments/Updates

Table 63. Hach Basic Information, Manufacturing Base and Competitors

Table 64. Hach Major Business

Table 65. Hach Optical DO Sensors Product and Services

Table 66. Hach Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Hach Recent Developments/Updates

Table 68. Sensorex Basic Information, Manufacturing Base and Competitors

Table 69. Sensorex Major Business

Table 70. Sensorex Optical DO Sensors Product and Services

Table 71. Sensorex Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. Sensorex Recent Developments/Updates

Table 73. Sea-Bird Basic Information, Manufacturing Base and Competitors

Table 74. Sea-Bird Major Business

Table 75. Sea-Bird Optical DO Sensors Product and Services

Table 76. Sea-Bird Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Sea-Bird Recent Developments/Updates

Table 78. JUMO GmbH Basic Information, Manufacturing Base and Competitors

Table 79. JUMO GmbH Major Business

Table 80. JUMO GmbH Optical DO Sensors Product and Services

Table 81. JUMO GmbH Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. JUMO GmbH Recent Developments/Updates

Table 83. Autotronic Enterprise (AECL) Basic Information, Manufacturing Base and Competitors

Table 84. Autotronic Enterprise (AECL) Major Business

Table 85. Autotronic Enterprise (AECL) Optical DO Sensors Product and Services

Table 86. Autotronic Enterprise (AECL) Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 87. Autotronic Enterprise (AECL) Recent Developments/Updates

Table 88. Aqualabo Basic Information, Manufacturing Base and Competitors

Table 89. Aqualabo Major Business

Table 90. Aqualabo Optical DO Sensors Product and Services

Table 91. Aqualabo Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

- Table 92. Aqualabo Recent Developments/Updates
- Table 93. Vernier Basic Information, Manufacturing Base and Competitors
- Table 94. Vernier Major Business
- Table 95. Vernier Optical DO Sensors Product and Services
- Table 96. Vernier Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 97. Vernier Recent Developments/Updates
- Table 98. Hanna Instruments Basic Information, Manufacturing Base and Competitors
- Table 99. Hanna Instruments Major Business
- Table 100. Hanna Instruments Optical DO Sensors Product and Services
- Table 101. Hanna Instruments Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 102. Hanna Instruments Recent Developments/Updates
- Table 103. Supmea Basic Information, Manufacturing Base and Competitors
- Table 104. Supmea Major Business
- Table 105. Supmea Optical DO Sensors Product and Services
- Table 106. Supmea Optical DO Sensors Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 107. Supmea Recent Developments/Updates
- Table 108. Global Optical DO Sensors Sales Quantity by Manufacturer (2020-2025) & (K Units)
- Table 109. Global Optical DO Sensors Revenue by Manufacturer (2020-2025) & (USD Million)
- Table 110. Global Optical DO Sensors Average Price by Manufacturer (2020-2025) & (US\$/Unit)
- Table 111. Market Position of Manufacturers in Optical DO Sensors, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024
- Table 112. Head Office and Optical DO Sensors Production Site of Key Manufacturer
- Table 113. Optical DO Sensors Market: Company Product Type Footprint
- Table 114. Optical DO Sensors Market: Company Product Application Footprint
- Table 115. Optical DO Sensors New Market Entrants and Barriers to Market Entry
- Table 116. Optical DO Sensors Mergers, Acquisition, Agreements, and Collaborations
- Table 117. Global Optical DO Sensors Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR
- Table 118. Global Optical DO Sensors Sales Quantity by Region (2020-2025) & (K Units)
- Table 119. Global Optical DO Sensors Sales Quantity by Region (2026-2031) & (K Units)
- Table 120. Global Optical DO Sensors Consumption Value by Region (2020-2025) &

(USD Million)

Table 121. Global Optical DO Sensors Consumption Value by Region (2026-2031) & (USD Million)

Table 122. Global Optical DO Sensors Average Price by Region (2020-2025) & (US\$/Unit)

Table 123. Global Optical DO Sensors Average Price by Region (2026-2031) & (US\$/Unit)

Table 124. Global Optical DO Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 125. Global Optical DO Sensors Sales Quantity by Type (2026-2031) & (K Units)

Table 126. Global Optical DO Sensors Consumption Value by Type (2020-2025) & (USD Million)

Table 127. Global Optical DO Sensors Consumption Value by Type (2026-2031) & (USD Million)

Table 128. Global Optical DO Sensors Average Price by Type (2020-2025) & (US\$/Unit)

Table 129. Global Optical DO Sensors Average Price by Type (2026-2031) & (US\$/Unit)

Table 130. Global Optical DO Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 131. Global Optical DO Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 132. Global Optical DO Sensors Consumption Value by Application (2020-2025) & (USD Million)

Table 133. Global Optical DO Sensors Consumption Value by Application (2026-2031) & (USD Million)

Table 134. Global Optical DO Sensors Average Price by Application (2020-2025) & (US\$/Unit)

Table 135. Global Optical DO Sensors Average Price by Application (2026-2031) & (US\$/Unit)

Table 136. North America Optical DO Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 137. North America Optical DO Sensors Sales Quantity by Type (2026-2031) & (K Units)

Table 138. North America Optical DO Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 139. North America Optical DO Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 140. North America Optical DO Sensors Sales Quantity by Country (2020-2025) & (K Units)

Table 141. North America Optical DO Sensors Sales Quantity by Country (2026-2031) & (K Units)

Table 142. North America Optical DO Sensors Consumption Value by Country (2020-2025) & (USD Million)

Table 143. North America Optical DO Sensors Consumption Value by Country (2026-2031) & (USD Million)

Table 144. Europe Optical DO Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 145. Europe Optical DO Sensors Sales Quantity by Type (2026-2031) & (K Units)

Table 146. Europe Optical DO Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 147. Europe Optical DO Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 148. Europe Optical DO Sensors Sales Quantity by Country (2020-2025) & (K Units)

Table 149. Europe Optical DO Sensors Sales Quantity by Country (2026-2031) & (K Units)

Table 150. Europe Optical DO Sensors Consumption Value by Country (2020-2025) & (USD Million)

Table 151. Europe Optical DO Sensors Consumption Value by Country (2026-2031) & (USD Million)

Table 152. Asia-Pacific Optical DO Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 153. Asia-Pacific Optical DO Sensors Sales Quantity by Type (2026-2031) & (K Units)

Table 154. Asia-Pacific Optical DO Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 155. Asia-Pacific Optical DO Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 156. Asia-Pacific Optical DO Sensors Sales Quantity by Region (2020-2025) & (K Units)

Table 157. Asia-Pacific Optical DO Sensors Sales Quantity by Region (2026-2031) & (K Units)

Table 158. Asia-Pacific Optical DO Sensors Consumption Value by Region (2020-2025) & (USD Million)

Table 159. Asia-Pacific Optical DO Sensors Consumption Value by Region (2026-2031) & (USD Million)

Table 160. South America Optical DO Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 161. South America Optical DO Sensors Sales Quantity by Type (2026-2031) &

(K Units)

Table 162. South America Optical DO Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 163. South America Optical DO Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 164. South America Optical DO Sensors Sales Quantity by Country (2020-2025) & (K Units)

Table 165. South America Optical DO Sensors Sales Quantity by Country (2026-2031) & (K Units)

Table 166. South America Optical DO Sensors Consumption Value by Country (2020-2025) & (USD Million)

Table 167. South America Optical DO Sensors Consumption Value by Country (2026-2031) & (USD Million)

Table 168. Middle East & Africa Optical DO Sensors Sales Quantity by Type (2020-2025) & (K Units)

Table 169. Middle East & Africa Optical DO Sensors Sales Quantity by Type (2026-2031) & (K Units)

Table 170. Middle East & Africa Optical DO Sensors Sales Quantity by Application (2020-2025) & (K Units)

Table 171. Middle East & Africa Optical DO Sensors Sales Quantity by Application (2026-2031) & (K Units)

Table 172. Middle East & Africa Optical DO Sensors Sales Quantity by Country (2020-2025) & (K Units)

Table 173. Middle East & Africa Optical DO Sensors Sales Quantity by Country (2026-2031) & (K Units)

Table 174. Middle East & Africa Optical DO Sensors Consumption Value by Country (2020-2025) & (USD Million)

Table 175. Middle East & Africa Optical DO Sensors Consumption Value by Country (2026-2031) & (USD Million)

Table 176. Optical DO Sensors Raw Material

Table 177. Key Manufacturers of Optical DO Sensors Raw Materials

Table 178. Optical DO Sensors Typical Distributors

Table 179. Optical DO Sensors Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Optical DO Sensors Picture

Figure 2. Global Optical DO Sensors Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Optical DO Sensors Revenue Market Share by Type in 2024

Figure 4. Plastic Sensor Examples

Figure 5. Metal Sensor Examples

Figure 6. Global Optical DO Sensors Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 7. Global Optical DO Sensors Revenue Market Share by Application in 2024

Figure 8. Environmental Monitoring Examples

Figure 9. Wastewater Treatment Examples

Figure 10. Aquaculture Examples

Figure 11. Others Examples

Figure 12. Global Optical DO Sensors Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 13. Global Optical DO Sensors Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 14. Global Optical DO Sensors Sales Quantity (2020-2031) & (K Units)

Figure 15. Global Optical DO Sensors Price (2020-2031) & (US\$/Unit)

Figure 16. Global Optical DO Sensors Sales Quantity Market Share by Manufacturer in 2024

Figure 17. Global Optical DO Sensors Revenue Market Share by Manufacturer in 2024

Figure 18. Producer Shipments of Optical DO Sensors by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 19. Top 3 Optical DO Sensors Manufacturer (Revenue) Market Share in 2024

Figure 20. Top 6 Optical DO Sensors Manufacturer (Revenue) Market Share in 2024

Figure 21. Global Optical DO Sensors Sales Quantity Market Share by Region (2020-2031)

Figure 22. Global Optical DO Sensors Consumption Value Market Share by Region (2020-2031)

Figure 23. North America Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Optical DO Sensors Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Optical DO Sensors Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Optical DO Sensors Average Price by Type (2020-2031) & (US\$/Unit)

Figure 31. Global Optical DO Sensors Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Optical DO Sensors Revenue Market Share by Application (2020-2031)

Figure 33. Global Optical DO Sensors Average Price by Application (2020-2031) & (US\$/Unit)

Figure 34. North America Optical DO Sensors Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Optical DO Sensors Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Optical DO Sensors Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Optical DO Sensors Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Optical DO Sensors Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Optical DO Sensors Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Optical DO Sensors Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Optical DO Sensors Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 46. France Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Optical DO Sensors Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Optical DO Sensors Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Optical DO Sensors Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Optical DO Sensors Consumption Value Market Share by Region (2020-2031)

Figure 54. China Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 57. India Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Optical DO Sensors Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Optical DO Sensors Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America Optical DO Sensors Sales Quantity Market Share by Country (2020-2031)

Figure 63. South America Optical DO Sensors Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Optical DO Sensors Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Optical DO Sensors Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Optical DO Sensors Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Optical DO Sensors Consumption Value Market Share

by Country (2020-2031)

Figure 70. Turkey Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Optical DO Sensors Consumption Value (2020-2031) & (USD Million)

Figure 74. Optical DO Sensors Market Drivers

Figure 75. Optical DO Sensors Market Restraints

Figure 76. Optical DO Sensors Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Optical DO Sensors in 2024

Figure 79. Manufacturing Process Analysis of Optical DO Sensors

Figure 80. Optical DO Sensors Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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