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Global PH Sensors Market Size, Manufacturers, Opportunities and Forecast to 2030

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Abstracts

Summary

The pH Sensor is a critical components of a pH measurement loop. A pH measurement loop is made up of three components, the pH sensor, which includes a measuring electrode, a reference electrode, and a temperature sensor; a preamplifier; and an analyser or transmitter. A pH measurement loop is essentially a battery where the positive terminal is the measuring electrode and the negative terminal is the reference electrode. The measuring electrode, which is sensitive to the hydrogen ion, develops a potential (voltage) directly related to the hydrogen ion concentration of the solution. The reference electrode provides a stable potential against which the measuring electrode can be compared.

According to APO Research, The global PH Sensors market was estimated at US$ million in 2023 and is projected to reach a revised size of US$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

North American market for PH Sensors is estimated to increase from $ million in 2024 to reach $ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for PH Sensors is estimated to increase from $ million in 2024 to reach $ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for PH Sensors is estimated to increase from $ million in 2024 to reach $ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

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The major global manufacturers of PH Sensors include Endress+Hauser, Emerson, Honeywell, ABB, Yokogawa Electric, Mettler Toledo, Vernier Software & Technology, Barben Analyzer (Ametek) and Hach, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for PH Sensors, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding PH Sensors.

The PH Sensors market size, estimations, and forecasts are provided in terms of sales volume (K Units) and revenue ($ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global PH Sensors market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Endress+Hauser

Emerson

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Honeywell

ABB

Yokogawa Electric

Mettler Toledo

Vernier Software & Technology

Barben Analyzer (Ametek)

Hach

Knick

OMEGA Engineering

REFEX Sensors

PreSens Precision Sensing

Sensorex

Hamilton

PH Sensors segment by Type

Glass Type Sensor

ISFET Sensor

Others

PH Sensors segment by Application

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Chemical

Pharmaceutical Industry

Food and Beverages

Water Treatment

Other

PH Sensors Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

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India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

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1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global PH Sensors market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of PH Sensors and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market

5. This report helps stakeholders to gain insights into which regions to target globally

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of PH Sensors.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, 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 3: Detailed analysis of PH Sensors manufacturers competitive landscape,

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price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of PH Sensors in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

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Contents

1 MARKET OVERVIEW

1.1 Product Definition
1.2 Global Market Growth Prospects
  1.2.1 Global PH Sensors Market Size Estimates and Forecasts (2019-2030)
  1.2.2 Global PH Sensors Sales Estimates and Forecasts (2019-2030)
1.3 PH Sensors Market by Type
  1.3.1 Glass Type Sensor
  1.3.2 ISFET Sensor
  1.3.3 Others
1.4 Global PH Sensors Market Size by Type
  1.4.1 Global PH Sensors Market Size Overview by Type (2019-2030)
  1.4.2 Global PH Sensors Historic Market Size Review by Type (2019-2024)
  1.4.3 Global PH Sensors Forecasted Market Size by Type (2025-2030)
1.5 Key Regions Market Size by Type
  1.5.1 North America PH Sensors Sales Breakdown by Type (2019-2024)
  1.5.2 Europe PH Sensors Sales Breakdown by Type (2019-2024)
  1.5.3 Asia-Pacific PH Sensors Sales Breakdown by Type (2019-2024)
  1.5.4 Latin America PH Sensors Sales Breakdown by Type (2019-2024)
  1.5.5 Middle East and Africa PH Sensors Sales Breakdown by Type (2019-2024)

2 GLOBAL MARKET DYNAMICS

2.1 PH Sensors Industry Trends
2.2 PH Sensors Industry Drivers
2.3 PH Sensors Industry Opportunities and Challenges
2.4 PH Sensors Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

3.1 Global Top Players by PH Sensors Revenue (2019-2024)
3.2 Global Top Players by PH Sensors Sales (2019-2024)
3.3 Global Top Players by PH Sensors Price (2019-2024)
3.4 Global PH Sensors Industry Company Ranking, 2022 VS 2023 VS 2024
3.5 Global PH Sensors Key Company Manufacturing Sites & Headquarters
3.6 Global PH Sensors Company, Product Type & Application
3.7 Global PH Sensors Company Commercialization Time

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3.8 Market Competitive Analysis
3.8.1 Global PH Sensors Market CR5 and HHI
3.8.2 Global Top 5 and 10 PH Sensors Players Market Share by Revenue in 2023
3.8.3 2023 PH Sensors Tier 1, Tier 2, and Tier

4 PH SENSORS REGIONAL STATUS AND OUTLOOK

4.1 Global PH Sensors Market Size and CAGR by Region: 2019 VS 2023 VS 2030
4.2 Global PH Sensors Historic Market Size by Region
4.2.1 Global PH Sensors Sales in Volume by Region (2019-2024)
4.2.2 Global PH Sensors Sales in Value by Region (2019-2024)
4.2.3 Global PH Sensors Sales (Volume & Value), Price and Gross Margin (2019-2024)
4.3 Global PH Sensors Forecasted Market Size by Region
4.3.1 Global PH Sensors Sales in Volume by Region (2025-2030)
4.3.2 Global PH Sensors Sales in Value by Region (2025-2030)
4.3.3 Global PH Sensors Sales (Volume & Value), Price and Gross Margin (2025-2030)

5 PH SENSORS BY APPLICATION

5.1 PH Sensors Market by Application
5.1.1 Chemical
5.1.2 Pharmaceutical Industry
5.1.3 Food and Beverages
5.1.4 Water Treatment
5.1.5 Other
5.2 Global PH Sensors Market Size by Application
5.2.1 Global PH Sensors Market Size Overview by Application (2019-2030)
5.2.2 Global PH Sensors Historic Market Size Review by Application (2019-2024)
5.2.3 Global PH Sensors Forecasted Market Size by Application (2025-2030)
5.3 Key Regions Market Size by Application
5.3.1 North America PH Sensors Sales Breakdown by Application (2019-2024)
5.3.2 Europe PH Sensors Sales Breakdown by Application (2019-2024)
5.3.3 Asia-Pacific PH Sensors Sales Breakdown by Application (2019-2024)
5.3.4 Latin America PH Sensors Sales Breakdown by Application (2019-2024)
5.3.5 Middle East and Africa PH Sensors Sales Breakdown by Application (2019-2024)

6 COMPANY PROFILES

+44 20 8123 2220
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6.1 Endress+Hauser
6.1.1 Endress+Hauser Comapny Information
6.1.2 Endress+Hauser Business Overview
6.1.3 Endress+Hauser PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.1.4 Endress+Hauser PH Sensors Product Portfolio
6.1.5 Endress+Hauser Recent Developments
6.2 Emerson
6.2.1 Emerson Comapny Information
6.2.2 Emerson Business Overview
6.2.3 Emerson PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.2.4 Emerson PH Sensors Product Portfolio
6.2.5 Emerson Recent Developments
6.3 Honeywell
6.3.1 Honeywell Comapny Information
6.3.2 Honeywell Business Overview
6.3.3 Honeywell PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.3.4 Honeywell PH Sensors Product Portfolio
6.3.5 Honeywell Recent Developments
6.4 ABB
6.4.1 ABB Comapny Information
6.4.2 ABB Business Overview
6.4.3 ABB PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.4.4 ABB PH Sensors Product Portfolio
6.4.5 ABB Recent Developments
6.5 Yokogawa Electric
6.5.1 Yokogawa Electric Comapny Information
6.5.2 Yokogawa Electric Business Overview
6.5.3 Yokogawa Electric PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.5.4 Yokogawa Electric PH Sensors Product Portfolio
6.5.5 Yokogawa Electric Recent Developments
6.6 Mettler Toledo
6.6.1 Mettler Toledo Comapny Information
6.6.2 Mettler Toledo Business Overview
6.6.3 Mettler Toledo PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.6.4 Mettler Toledo PH Sensors Product Portfolio
6.6.5 Mettler Toledo Recent Developments
6.7 Vernier Software & Technology
6.7.1 Vernier Software & Technology Comapny Information

+44 20 8123 2220
info@marketpublishers.com

6.7.2 Vernier Software & Technology Business Overview
6.7.3 Vernier Software & Technology PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.7.4 Vernier Software & Technology PH Sensors Product Portfolio
6.7.5 Vernier Software & Technology Recent Developments
6.8 Barben Analyzer (Ametek)
6.8.1 Barben Analyzer (Ametek) Comapny Information
6.8.2 Barben Analyzer (Ametek) Business Overview
6.8.3 Barben Analyzer (Ametek) PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.8.4 Barben Analyzer (Ametek) PH Sensors Product Portfolio
6.8.5 Barben Analyzer (Ametek) Recent Developments
6.9 Hach
6.9.1 Hach Comapny Information
6.9.2 Hach Business Overview
6.9.3 Hach PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.9.4 Hach PH Sensors Product Portfolio
6.9.5 Hach Recent Developments
6.10 Knick
6.10.1 Knick Comapny Information
6.10.2 Knick Business Overview
6.10.3 Knick PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.10.4 Knick PH Sensors Product Portfolio
6.10.5 Knick Recent Developments
6.11 OMEGA Engineering
6.11.1 OMEGA Engineering Comapny Information
6.11.2 OMEGA Engineering Business Overview
6.11.3 OMEGA Engineering PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.11.4 OMEGA Engineering PH Sensors Product Portfolio
6.11.5 OMEGA Engineering Recent Developments
6.12 REFEX Sensors
6.12.1 REFEX Sensors Comapny Information
6.12.2 REFEX Sensors Business Overview
6.12.3 REFEX Sensors PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.12.4 REFEX Sensors PH Sensors Product Portfolio
6.12.5 REFEX Sensors Recent Developments
6.13 PreSens Precision Sensing
6.13.1 PreSens Precision Sensing Comapny Information

+44 20 8123 2220
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6.13.2 PreSens Precision Sensing Business Overview
6.13.3 PreSens Precision Sensing PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.13.4 PreSens Precision Sensing PH Sensors Product Portfolio
6.13.5 PreSens Precision Sensing Recent Developments
6.14 Sensorex
6.14.1 Sensorex Comapny Information
6.14.2 Sensorex Business Overview
6.14.3 Sensorex PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.14.4 Sensorex PH Sensors Product Portfolio
6.14.5 Sensorex Recent Developments
6.15 Hamilton
6.15.1 Hamilton Comapny Information
6.15.2 Hamilton Business Overview
6.15.3 Hamilton PH Sensors Sales, Revenue and Gross Margin (2019-2024)
6.15.4 Hamilton PH Sensors Product Portfolio
6.15.5 Hamilton Recent Developments

7 NORTH AMERICA BY COUNTRY

7.1 North America PH Sensors Sales by Country
7.1.1 North America PH Sensors Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
7.1.2 North America PH Sensors Sales by Country (2019-2024)
7.1.3 North America PH Sensors Sales Forecast by Country (2025-2030)
7.2 North America PH Sensors Market Size by Country
7.2.1 North America PH Sensors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
7.2.2 North America PH Sensors Market Size by Country (2019-2024)
7.2.3 North America PH Sensors Market Size Forecast by Country (2025-2030)

8 EUROPE BY COUNTRY

8.1 Europe PH Sensors Sales by Country
8.1.1 Europe PH Sensors Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
8.1.2 Europe PH Sensors Sales by Country (2019-2024)
8.1.3 Europe PH Sensors Sales Forecast by Country (2025-2030)
8.2 Europe PH Sensors Market Size by Country

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8.2.1 Europe PH Sensors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
8.2.2 Europe PH Sensors Market Size by Country (2019-2024)
8.2.3 Europe PH Sensors Market Size Forecast by Country (2025-2030)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific PH Sensors Sales by Country
9.1.1 Asia-Pacific PH Sensors Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
9.1.2 Asia-Pacific PH Sensors Sales by Country (2019-2024)
9.1.3 Asia-Pacific PH Sensors Sales Forecast by Country (2025-2030)
9.2 Asia-Pacific PH Sensors Market Size by Country
9.2.1 Asia-Pacific PH Sensors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
9.2.2 Asia-Pacific PH Sensors Market Size by Country (2019-2024)
9.2.3 Asia-Pacific PH Sensors Market Size Forecast by Country (2025-2030)

10 LATIN AMERICA BY COUNTRY

10.1 Latin America PH Sensors Sales by Country
10.1.1 Latin America PH Sensors Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
10.1.2 Latin America PH Sensors Sales by Country (2019-2024)
10.1.3 Latin America PH Sensors Sales Forecast by Country (2025-2030)
10.2 Latin America PH Sensors Market Size by Country
10.2.1 Latin America PH Sensors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
10.2.2 Latin America PH Sensors Market Size by Country (2019-2024)
10.2.3 Latin America PH Sensors Market Size Forecast by Country (2025-2030)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa PH Sensors Sales by Country
11.1.1 Middle East and Africa PH Sensors Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
11.1.2 Middle East and Africa PH Sensors Sales by Country (2019-2024)
11.1.3 Middle East and Africa PH Sensors Sales Forecast by Country (2025-2030)
11.2 Middle East and Africa PH Sensors Market Size by Country

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11.2.1 Middle East and Africa PH Sensors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
11.2.2 Middle East and Africa PH Sensors Market Size by Country (2019-2024)
11.2.3 Middle East and Africa PH Sensors Market Size Forecast by Country (2025-2030)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

12.1 PH Sensors Value Chain Analysis
12.1.1 PH Sensors Key Raw Materials
12.1.2 Key Raw Materials Price
12.1.3 Raw Materials Key Suppliers
12.1.4 Manufacturing Cost Structure
12.1.5 PH Sensors Production Mode & Process
12.2 PH Sensors Sales Channels Analysis
12.2.1 Direct Comparison with Distribution Share
12.2.2 PH Sensors Distributors
12.2.3 PH Sensors Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

14.1 Reasons for Doing This Study
14.2 Research Methodology
14.3 Research Process
14.4 Authors List of This Report
14.5 Data Source
14.5.1 Secondary Sources
14.5.2 Primary Sources
14.6 Disclaimer

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List Of Tables

LIST OF TABLES

Table 1. Major Company of Glass Type Sensor
Table 2. Major Company of ISFET Sensor
Table 3. Major Company of Others
Table 4. Global PH Sensors Sales by Type (2019 VS 2023 VS 2030) & (US$ Million)
Table 5. Global PH Sensors Sales by Type (2019-2024) & (K Units)
Table 6. Global PH Sensors Sales Market Share in Volume by Type (2019-2024)
Table 7. Global PH Sensors Sales by Type (2019-2024) & (US$ Million)
Table 8. Global PH Sensors Sales Market Share in Value by Type (2019-2024)
Table 9. Global PH Sensors Price by Type (2019-2024) & (USD/Unit)
Table 10. Global PH Sensors Sales by Type (2025-2030) & (K Units)
Table 11. Global PH Sensors Sales Market Share in Volume by Type (2025-2030)
Table 12. Global PH Sensors Sales by Type (2025-2030) & (US$ Million)
Table 13. Global PH Sensors Sales Market Share in Value by Type (2025-2030)
Table 14. Global PH Sensors Price by Type (2025-2030) & (USD/Unit)
Table 15. North America PH Sensors Sales by Type (2019-2024) & (K Units)
Table 16. North America PH Sensors Sales by Type (2019-2024) & (US$ Million)
Table 17. Europe PH Sensors Sales by Type (2019-2024) & (K Units)
Table 18. Europe PH Sensors Sales by Type (2019-2024) & (US$ Million)
Table 19. Asia-Pacific PH Sensors Sales by Type (2019-2024) & (K Units)
Table 20. Asia-Pacific PH Sensors Sales by Type (2019-2024) & (US$ Million)
Table 21. Latin America PH Sensors Sales by Type (2019-2024) & (K Units)
Table 22. Latin America PH Sensors Sales by Type (2019-2024) & (US$ Million)
Table 23. Middle East and Africa PH Sensors Sales by Type (2019-2024) & (K Units)
Table 24. Middle East and Africa PH Sensors Sales by Type (2019-2024) & (US$ Million)
Table 25. PH Sensors Industry Trends
Table 26. PH Sensors Industry Drivers
Table 27. PH Sensors Industry Opportunities and Challenges
Table 28. PH Sensors Industry Restraints
Table 29. Global PH Sensors Sales Revenue by Company (US$ Million) & (2019-2024)
Table 30. Global PH Sensors Revenue Market Share by Company (2019-2024)
Table 31. Global PH Sensors Sales by Company (2019-2024) & (K Units)
Table 32. Global PH Sensors Sales Share by Company (2019-2024)
Table 33. Global PH Sensors Market Price by Company (2019-2024) & (USD/Unit)
Table 34. Global PH Sensors Industry Company Ranking, 2022 VS 2023 VS 2024

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Table 35. Global PH Sensors Key Company Manufacturing Sites & Headquarters
Table 36. Global PH Sensors Company, Product Type & Application
Table 37. Global PH Sensors Company Commercialization Time
Table 38. Global Company Market Concentration Ratio (CR5 and HHI)
Table 39. Global PH Sensors by Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue of 2023)
Table 40. Global PH Sensors Market Size Comparison by Region (US$ Million): 2019 VS 2023 VS 2030
Table 41. Global PH Sensors Sales by Region (2019-2024) & (K Units)
Table 42. Global PH Sensors Sales Market Share in Volume by Region (2019-2024)
Table 43. Global PH Sensors Sales by Region (2019-2024) & (US$ Million)
Table 44. Global PH Sensors Sales Market Share in Value by Region (2019-2024)
Table 45. Global PH Sensors Sales (K Units), Value (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 46. Global PH Sensors Sales by Region (2025-2030) & (K Units)
Table 47. Global PH Sensors Sales Market Share in Volume by Region (2025-2030)
Table 48. Global PH Sensors Sales by Region (2025-2030) & (US$ Million)
Table 49. Global PH Sensors Sales Market Share in Value by Region (2025-2030)
Table 50. Global PH Sensors Sales (K Units), Value (US$ Million), Price (USD/Unit) and Gross Margin (2025-2030)
Table 51. Global PH Sensors Sales by Application (2019 VS 2023 VS 2030) & (US$ Million)
Table 52. Global PH Sensors Sales by Application (2019-2024) & (K Units)
Table 53. Global PH Sensors Sales Market Share in Volume by Application (2019-2024)
Table 54. Global PH Sensors Sales by Application (2019-2024) & (US$ Million)
Table 55. Global PH Sensors Sales Market Share in Value by Application (2019-2024)
Table 56. Global PH Sensors Price by Application (2019-2024) & (USD/Unit)
Table 57. Global PH Sensors Sales by Application (2025-2030) & (K Units)
Table 58. Global PH Sensors Sales Market Share in Volume by Application (2025-2030)
Table 59. Global PH Sensors Sales by Application (2025-2030) & (US$ Million)
Table 60. Global PH Sensors Sales Market Share in Value by Application (2025-2030)
Table 61. Global PH Sensors Price by Application (2025-2030) & (USD/Unit)
Table 62. North America PH Sensors Sales by Application (2019-2024) & (K Units)
Table 63. North America PH Sensors Sales by Application (2019-2024) & (US$ Million)
Table 64. Europe PH Sensors Sales by Application (2019-2024) & (K Units)
Table 65. Europe PH Sensors Sales by Application (2019-2024) & (US$ Million)
Table 66. Asia-Pacific PH Sensors Sales by Application (2019-2024) & (K Units)
Table 67. Asia-Pacific PH Sensors Sales by Application (2019-2024) & (US$ Million)
Table 68. Latin America PH Sensors Sales by Application (2019-2024) & (K Units)

+44 20 8123 2220
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Table 69. Latin America PH Sensors Sales by Application (2019-2024) & (US$ Million)
Table 70. Middle East and Africa PH Sensors Sales by Application (2019-2024) & (K Units)
Table 71. Middle East and Africa PH Sensors Sales by Application (2019-2024) & (US$ Million)
Table 72. Endress+Hauser Company Information
Table 73. Endress+Hauser Business Overview
Table 74. Endress+Hauser PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 75. Endress+Hauser PH Sensors Product Portfolio
Table 76. Endress+Hauser Recent Development
Table 77. Emerson Company Information
Table 78. Emerson Business Overview
Table 79. Emerson PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 80. Emerson PH Sensors Product Portfolio
Table 81. Emerson Recent Development
Table 82. Honeywell Company Information
Table 83. Honeywell Business Overview
Table 84. Honeywell PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 85. Honeywell PH Sensors Product Portfolio
Table 86. Honeywell Recent Development
Table 87. ABB Company Information
Table 88. ABB Business Overview
Table 89. ABB PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 90. ABB PH Sensors Product Portfolio
Table 91. ABB Recent Development
Table 92. Yokogawa Electric Company Information
Table 93. Yokogawa Electric Business Overview
Table 94. Yokogawa Electric PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 95. Yokogawa Electric PH Sensors Product Portfolio
Table 96. Yokogawa Electric Recent Development
Table 97. Mettler Toledo Company Information
Table 98. Mettler Toledo Business Overview
Table 99. Mettler Toledo PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

+44 20 8123 2220
info@marketpublishers.com

Table 100. Mettler Toledo PH Sensors Product Portfolio
Table 101. Mettler Toledo Recent Development
Table 102. Vernier Software & Technology Company Information
Table 103. Vernier Software & Technology Business Overview
Table 104. Vernier Software & Technology PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 105. Vernier Software & Technology PH Sensors Product Portfolio
Table 106. Vernier Software & Technology Recent Development
Table 107. Barben Analyzer (Ametek) Company Information
Table 108. Barben Analyzer (Ametek) Business Overview
Table 109. Barben Analyzer (Ametek) PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 110. Barben Analyzer (Ametek) PH Sensors Product Portfolio
Table 111. Barben Analyzer (Ametek) Recent Development
Table 112. Hach Company Information
Table 113. Hach Business Overview
Table 114. Hach PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 115. Hach PH Sensors Product Portfolio
Table 116. Hach Recent Development
Table 117. Knick Company Information
Table 118. Knick Business Overview
Table 119. Knick PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 120. Knick PH Sensors Product Portfolio
Table 121. Knick Recent Development
Table 122. OMEGA Engineering Company Information
Table 123. OMEGA Engineering Business Overview
Table 124. OMEGA Engineering PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 125. OMEGA Engineering PH Sensors Product Portfolio
Table 126. OMEGA Engineering Recent Development
Table 127. REFEX Sensors Company Information
Table 128. REFEX Sensors Business Overview
Table 129. REFEX Sensors PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 130. REFEX Sensors PH Sensors Product Portfolio
Table 131. REFEX Sensors Recent Development
Table 132. PreSens Precision Sensing Company Information

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Table 133. PreSens Precision Sensing Business Overview
Table 134. PreSens Precision Sensing PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 135. PreSens Precision Sensing PH Sensors Product Portfolio
Table 136. PreSens Precision Sensing Recent Development
Table 137. Sensorex Company Information
Table 138. Sensorex Business Overview
Table 139. Sensorex PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 140. Sensorex PH Sensors Product Portfolio
Table 141. Sensorex Recent Development
Table 142. Hamilton Company Information
Table 143. Hamilton Business Overview
Table 144. Hamilton PH Sensors Sales (K Units), Revenue (US$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 145. Hamilton PH Sensors Product Portfolio
Table 146. Hamilton Recent Development
Table 147. North America PH Sensors Market Size Growth Rate (CAGR) by Country (K Units): 2019 VS 2023 VS 2030
Table 148. North America PH Sensors Sales by Country (2019-2024) & (K Units)
Table 149. North America PH Sensors Sales Market Share by Country (2019-2024)
Table 150. North America PH Sensors Sales Forecast by Country (2025-2030) & (K Units)
Table 151. North America PH Sensors Sales Market Share Forecast by Country (2025-2030)
Table 152. North America PH Sensors Market Size Growth Rate (CAGR) by Country (US$ Million): 2019 VS 2023 VS 2030
Table 153. North America PH Sensors Market Size by Country (2019-2024) & (US$ Million)
Table 154. North America PH Sensors Market Share by Country (2019-2024)
Table 155. North America PH Sensors Market Size Forecast by Country (2025-2030) & (US$ Million)
Table 156. North America PH Sensors Market Share Forecast by Country (2025-2030)
Table 157. Europe PH Sensors Market Size Growth Rate (CAGR) by Country (K Units): 2019 VS 2023 VS 2030
Table 158. Europe PH Sensors Sales by Country (2019-2024) & (K Units)
Table 159. Europe PH Sensors Sales Market Share by Country (2019-2024)
Table 160. Europe PH Sensors Sales Forecast by Country (2025-2030) & (K Units)
Table 161. Europe PH Sensors Sales Market Share Forecast by Country (2025-2030)

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Table 162. Europe PH Sensors Market Size Growth Rate (CAGR) by Country (US$ Million): 2019 VS 2023 VS 2030
Table 163. Europe PH Sensors Market Size by Country (2019-2024) & (US$ Million)
Table 164. Europe PH Sensors Market Share by Country (2019-2024)
Table 165. Europe PH Sensors Market Size Forecast by Country (2025-2030) & (US$ Million)
Table 166. Europe PH Sensors Market Share Forecast by Country (2025-2030)
Table 167. Asia-Pacific PH Sensors Market Size Growth Rate (CAGR) by Country (K Units): 2019 VS 2023 VS 2030
Table 168. Asia-Pacific PH Sensors Sales by Country (2019-2024) & (K Units)
Table 169. Asia-Pacific PH Sensors Sales Market Share by Country (2019-2024)
Table 170. Asia-Pacific PH Sensors Sales Forecast by Country (2025-2030) & (K Units)
Table 171. Asia-Pacific PH Sensors Sales Market Share Forecast by Country (2025-2030)
Table 172. Asia-Pacific PH Sensors Market Size Growth Rate (CAGR) by Country (US$ Million): 2019 VS 2023 VS 2030
Table 173. Asia-Pacific PH Sensors Market Size by Country (2019-2024) & (US$ Million)
Table 174. Asia-Pacific PH Sensors Market Share by Country (2019-2024)
Table 175. Asia-Pacific PH Sensors Market Size Forecast by Country (2025-2030) & (US$ Million)
Table 176. Asia-Pacific PH Sensors Market Share Forecast by Country (2025-2030)
Table 177. Latin America PH Sensors Market Size Growth Rate (CAGR) by Country (K Units): 2019 VS 2023 VS 2030
Table 178. Latin America PH Sensors Sales by Country (2019-2024) & (K Units)
Table 179. Latin America PH Sensors Sales Market Share by Country (2019-2024)
Table 180. Latin America PH Sensors Sales Forecast by Country (2025-2030) & (K Units)
Table 181. Latin America PH Sensors Sales Market Share Forecast by Country (2025-2030)
Table 182. Latin America PH Sensors Market Size Growth Rate (CAGR) by Country (US$ Million): 2019 VS 2023 VS 2030
Table 183. Latin America PH Sensors Market Size by Country (2019-2024) & (US$ Million)
Table 184. Latin America PH Sensors Market Share by Country (2019-2024)
Table 185. Latin America PH Sensors Market Size Forecast by Country (2025-2030) & (US$ Million)
Table 186. Latin America PH Sensors Market Share Forecast by Country (2025-2030)
Table 187. Middle East and Africa PH Sensors Market Size Growth Rate (CAGR) by

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Country (K Units): 2019 VS 2023 VS 2030
Table 188. Middle East and Africa PH Sensors Sales by Country (2019-2024) & (K Units)
Table 189. Middle East and Africa PH Sensors Sales Market Share by Country (2019-2024)
Table 190. Middle East and Africa PH Sensors Sales Forecast by Country (2025-2030) & (K Units)
Table 191. Middle East and Africa PH Sensors Sales Market Share Forecast by Country (2025-2030)
Table 192. Middle East and Africa PH Sensors Market Size Growth Rate (CAGR) by Country (US$ Million): 2019 VS 2023 VS 2030
Table 193. Middle East and Africa PH Sensors Market Size by Country (2019-2024) & (US$ Million)
Table 194. Middle East and Africa PH Sensors Market Share by Country (2019-2024)
Table 195. Middle East and Africa PH Sensors Market Size Forecast by Country (2025-2030) & (US$ Million)
Table 196. Middle East and Africa PH Sensors Market Share Forecast by Country (2025-2030)
Table 197. Key Raw Materials
Table 198. Raw Materials Key Suppliers
Table 199. PH Sensors Distributors List
Table 200. PH Sensors Customers List
Table 201. Research Programs/Design for This Report
Table 202. Authors List of This Report
Table 203. Secondary Sources
Table 204. Primary Sources

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List Of Figures

LIST OF FIGURES

Figure 1. PH Sensors Product Picture
Figure 2. Global PH Sensors Market Size (US$ Million), 2019 VS 2023 VS 2030
Figure 3. Global PH Sensors Market Size (2019-2030) & (US$ Million)
Figure 4. Global PH Sensors Sales (2019-2030) & (K Units)
Figure 5. Product Picture of Glass Type Sensor
Figure 6. Global Glass Type Sensor Sales YoY Growth (2019-2030) & (K Units)
Figure 7. Product Picture of ISFET Sensor
Figure 8. Global ISFET Sensor Sales YoY Growth (2019-2030) & (K Units)
Figure 9. Product Picture of Others
Figure 10. Global Others Sales YoY Growth (2019-2030) & (K Units)
Figure 11. Global PH Sensors Market Size Overview by Type (2019-2030) & (US$ Million)
Figure 12. Global PH Sensors Market Share by Type 2023 VS 2030
Figure 13. North America PH Sensors Sales Market Share in Volume by Type in 2023
Figure 14. North America PH Sensors Sales Market Share in Value by Type in 2023
Figure 15. Europe PH Sensors Sales Market Share in Volume by Type in 2023
Figure 16. Europe PH Sensors Sales Market Share in Value by Type in 2023
Figure 17. Asia-Pacific PH Sensors Sales Market Share in Volume by Type in 2023
Figure 18. Asia-Pacific PH Sensors Sales Market Share in Value by Type in 2023
Figure 19. Latin America PH Sensors Sales Market Share in Volume by Type in 2023
Figure 20. Latin America PH Sensors Sales Market Share in Value by Type in 2023
Figure 21. Middle East and Africa PH Sensors Sales Market Share in Volume by Type in 2023
Figure 22. Middle East and Africa PH Sensors Sales Market Share in Value by Type in 2023
Figure 23. Global Top 5 and 10 PH Sensors Players Market Share by Revenue in 2023
Figure 24. Company Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023
Figure 25. Product Picture of Chemical
Figure 26. Global Chemical Sales YoY Growth (2019-2030) & (K Units)
Figure 27. Product Picture of Pharmaceutical Industry
Figure 28. Global Pharmaceutical Industry Sales YoY Growth (2019-2030) & (K Units)
Figure 29. Product Picture of Food and Beverages
Figure 30. Global Food and Beverages Sales YoY Growth (2019-2030) & (K Units)
Figure 31. Product Picture of Water Treatment
Figure 32. Global Water Treatment Sales YoY Growth (2019-2030) & (K Units)

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Figure 33. Product Picture of Other
Figure 34. Global Other Sales YoY Growth (2019-2030) & (K Units)
Figure 35. Global PH Sensors Market Size Overview by Application (2019-2030) & (US$ Million)
Figure 36. Global PH Sensors Market Share by Application 2023 VS 2030
Figure 37. North America PH Sensors Sales Market Share in Volume by Application in 2023
Figure 38. North America PH Sensors Sales Market Share in Value by Application in 2023
Figure 39. Europe PH Sensors Sales Market Share in Volume by Application in 2023
Figure 40. Europe PH Sensors Sales Market Share in Value by Application in 2023
Figure 41. Asia-Pacific PH Sensors Sales Market Share in Volume by Application in 2023
Figure 42. Asia-Pacific PH Sensors Sales Market Share in Value by Application in 2023
Figure 43. Latin America PH Sensors Sales Market Share in Volume by Application in 2023
Figure 44. Latin America PH Sensors Sales Market Share in Value by Application in 2023
Figure 45. Middle East and Africa PH Sensors Sales Market Share in Volume by Application in 2023
Figure 46. Middle East and Africa PH Sensors Sales Market Share in Value by Application in 2023
Figure 47. North America PH Sensors Sales by Country: 2019 VS 2023 VS 2030 (K Units)
Figure 48. North America PH Sensors Sales Share by Country: 2019 VS 2023 VS 2030
Figure 49. North America PH Sensors Market Size by Country: 2019 VS 2023 VS 2030 (US$ Million)
Figure 50. North America PH Sensors Market Share by Country: 2019 VS 2023 VS 2030
Figure 51. Europe PH Sensors Sales by Country: 2019 VS 2023 VS 2030 (K Units)
Figure 52. Europe PH Sensors Sales Share by Country: 2019 VS 2023 VS 2030
Figure 53. Europe PH Sensors Market Size by Country: 2019 VS 2023 VS 2030 (US$ Million)
Figure 54. Europe PH Sensors Market Share by Country: 2019 VS 2023 VS 2030
Figure 55. Asia-Pacific PH Sensors Sales by Country: 2019 VS 2023 VS 2030 (K Units)
Figure 56. Asia-Pacific PH Sensors Sales Share by Country: 2019 VS 2023 VS 2030
Figure 57. Asia-Pacific PH Sensors Market Size by Country: 2019 VS 2023 VS 2030 (US$ Million)
Figure 58. Asia-Pacific PH Sensors Market Share by Country: 2019 VS 2023 VS 2030

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Figure 59. Latin America PH Sensors Sales by Country: 2019 VS 2023 VS 2030 (K Units)
Figure 60. Latin America PH Sensors Sales Share by Country: 2019 VS 2023 VS 2030
Figure 61. Latin America PH Sensors Market Size by Country: 2019 VS 2023 VS 2030 (US$ Million)
Figure 62. Latin America PH Sensors Market Share by Country: 2019 VS 2023 VS 2030
Figure 63. Middle East and Africa PH Se

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