



Physical & Chemical Sensors for Water Industry Research Report 2026

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Machinery & Equipment	2025-12-30	150	PDF
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Description

This report studies the Physical & Chemical Sensors for Water market.

The chemical, physical, and biological conditions of water form its quality. Even minute changes in these characteristics can impact the people and industries that depend on water. To preserve its quality, monitoring water parameters such as conductivity, pH, salinity, temperature, dissolved oxygen, chlorine residual and turbidity is crucial. For the same reason, water quality sensors have become common in most modern distribution systems.

Water quality sensor data are used for decision-making on a variety of management issues. These include but are not limited to: 1) identifying compliance with regulatory water quality requirements; 2) identifying non-regulatory water quality for critical users (e.g., at industries requiring certain process water chemistry) and at other important locations throughout the system; 3) verifying water quality modeling; 4) planning hydrant flushing; and 5) implementing a contamination warning system (CWS).

Global Physical and Chemical Sensors For Water key players include Aqualabo, Endress Hauser, Xylem, etc. Global top 3 manufacturers hold a share over 20%.

Europe (Ex. France) is the largest market, with a share about 30%, followed by US, and China, both have a share about 40 percent.

In terms of product, pH is the largest segment, with a share over 19%. And in terms of application, the largest application is River.

Report Scope

This report quantifies the global Physical & Chemical Sensors for Water market in revenue (US\$ million) and, where applicable, sales volume (K Units), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/K Units) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to Physical & Chemical Sensors for Water.

Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—

where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

Physical & Chemical Sensors for Water Market by Company

- Aqualabo
- Endress Hauser
- Xylem
- Yokogawa
- Emerson
- ABB
- Trios
- S::can
- Jumo
- ATI
- Hach
- In-Situ
- Knick
- Tethys
- Hamilton
- Mettler Toledo
- Xiamen Enlai
- Suzhou Broadsensor
- Hangzhou Sinomeasure
- Sensotronic System
- Microset

Physical & Chemical Sensors for Water Segment by Priority Parameter

- Conductivity
- Turbidity
- pH
- Redox
- Dissolved Oxygen
- Multi Parameter Sensor (2 ~ 4 Parameters)
- Multi Parameter Sensor (5 ~ 6 Parameters)
- Multi Parameter Sensor (With Correlated Data)
- Others

Physical & Chemical Sensors for Water Segment by Application

- River
- Sewer
- Water Treatment Plants
- Industrials Effluents

Physical & Chemical Sensors for Water Segment by Region

- North America
 - United States
 - Canada
 - Mexico
- Europe
 - Germany
 - France

U.K.
Italy
Russia
Spain
Netherlands
Switzerland
Sweden
Poland
Asia-Pacific
China
Japan
South Korea
India
Australia
Taiwan
Southeast Asia
South America
Brazil
Argentina
Chile
Middle East & Africa
Egypt
South Africa
Israel
Türkiye
GCC Countries

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

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 Physical & Chemical Sensors for Water 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 Physical & Chemical Sensors for Water 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 Physical & Chemical Sensors for Water.

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

Chapter Outline

Chapter 1:

Research objectives, research methods, data sources, data cross-validation;

Chapter 2:

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

Chapter 3:

Detailed analysis of Physical & Chemical Sensors for Water manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5:

Production/output, value of Physical & Chemical Sensors for Water by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6:

Consumption of Physical & Chemical Sensors for Water in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7:

Provides the analysis of various market segments by priority parameter, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8:

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

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

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 11:

The main points and conclusions of the report.

Table of Contents

1 Preface

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 Market Overview

- 2.1 Product Definition
- 2.2 Physical & Chemical Sensors for Water by Priority Parameter
 - 2.2.1 Market Value Comparison by Priority Parameter (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.2.2 Conductivity
 - 2.2.3 Turbidity
 - 2.2.4 pH
 - 2.2.5 Redox
 - 2.2.6 Dissolved Oxygen
 - 2.2.7 Multi Parameter Sensor (2 ~ 4 Parameters)
 - 2.2.8 Multi Parameter Sensor (5 ~ 6 Parameters)
 - 2.2.9 Multi Parameter Sensor (With Correlated Data)
 - 2.2.10 Others
- 2.3 Physical & Chemical Sensors for Water by Application
 - 2.3.1 Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.3.2 River
 - 2.3.3 Sewer
 - 2.3.4 Water Treatment Plants
 - 2.3.5 Industrials Effluents
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Physical & Chemical Sensors for Water Production Value Estimates and Forecasts (2021-2032)
 - 2.4.2 Global Physical & Chemical Sensors for Water Production Capacity Estimates and Forecasts (2021-2032)
 - 2.4.3 Global Physical & Chemical Sensors for Water Production Estimates and Forecasts (2021-2032)
 - 2.4.4 Global Physical & Chemical Sensors for Water Market Average Price (2021-2032)

3 Market Competitive Landscape by Manufacturers

- 3.1 Global Physical & Chemical Sensors for Water Production by Manufacturers (2021-2026)
- 3.2 Global Physical & Chemical Sensors for Water Production Value by Manufacturers (2021-2026)
- 3.3 Global Physical & Chemical Sensors for Water Average Price by Manufacturers (2021-2026)
- 3.4 Global Physical & Chemical Sensors for Water Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Physical & Chemical Sensors for Water Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Physical & Chemical Sensors for Water Manufacturers, Product Type & Application
- 3.7 Global Physical & Chemical Sensors for Water Manufacturers Established Date
- 3.8 Global Physical & Chemical Sensors for Water Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 Manufacturers Profiled

4.1 Aqualabo

- 4.1.1 Aqualabo Physical & Chemical Sensors for Water Company Information
- 4.1.2 Aqualabo Physical & Chemical Sensors for Water Business Overview
- 4.1.3 Aqualabo Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.1.4 Aqualabo Product Portfolio
- 4.1.5 Aqualabo Recent Developments

4.2 Endress Hauser

- 4.2.1 Endress Hauser Physical & Chemical Sensors for Water Company Information
- 4.2.2 Endress Hauser Physical & Chemical Sensors for Water Business Overview
- 4.2.3 Endress Hauser Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.2.4 Endress Hauser Product Portfolio
- 4.2.5 Endress Hauser Recent Developments

4.3 Xylem

- 4.3.1 Xylem Physical & Chemical Sensors for Water Company Information
- 4.3.2 Xylem Physical & Chemical Sensors for Water Business Overview
- 4.3.3 Xylem Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.3.4 Xylem Product Portfolio
- 4.3.5 Xylem Recent Developments

4.4 Yokogawa

- 4.4.1 Yokogawa Physical & Chemical Sensors for Water Company Information
- 4.4.2 Yokogawa Physical & Chemical Sensors for Water Business Overview
- 4.4.3 Yokogawa Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.4.4 Yokogawa Product Portfolio
- 4.4.5 Yokogawa Recent Developments

4.5 Emerson

- 4.5.1 Emerson Physical & Chemical Sensors for Water Company Information
- 4.5.2 Emerson Physical & Chemical Sensors for Water Business Overview
- 4.5.3 Emerson Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.5.4 Emerson Product Portfolio
- 4.5.5 Emerson Recent Developments

4.6 ABB

- 4.6.1 ABB Physical & Chemical Sensors for Water Company Information
- 4.6.2 ABB Physical & Chemical Sensors for Water Business Overview
- 4.6.3 ABB Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.6.4 ABB Product Portfolio
- 4.6.5 ABB Recent Developments

4.7 Trios

- 4.7.1 Trios Physical & Chemical Sensors for Water Company Information
- 4.7.2 Trios Physical & Chemical Sensors for Water Business Overview
- 4.7.3 Trios Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.7.4 Trios Product Portfolio
- 4.7.5 Trios Recent Developments

4.8 S::can

- 4.8.1 S::can Physical & Chemical Sensors for Water Company Information
- 4.8.2 S::can Physical & Chemical Sensors for Water Business Overview
- 4.8.3 S::can Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.8.4 S::can Product Portfolio
- 4.8.5 S::can Recent Developments

4.9 Jumo

- 4.9.1 Jumo Physical & Chemical Sensors for Water Company Information
- 4.9.2 Jumo Physical & Chemical Sensors for Water Business Overview
- 4.9.3 Jumo Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.9.4 Jumo Product Portfolio
- 4.9.5 Jumo Recent Developments

4.10 ATI

- 4.10.1 ATI Physical & Chemical Sensors for Water Company Information
- 4.10.2 ATI Physical & Chemical Sensors for Water Business Overview
- 4.10.3 ATI Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.10.4 ATI Product Portfolio
- 4.10.5 ATI Recent Developments

4.11 Hach

- 4.11.1 Hach Physical & Chemical Sensors for Water Company Information
- 4.11.2 Hach Physical & Chemical Sensors for Water Business Overview
- 4.11.3 Hach Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.11.4 Hach Product Portfolio
- 4.11.5 Hach Recent Developments

4.12 In-Situ

- 4.12.1 In-Situ Physical & Chemical Sensors for Water Company Information
- 4.12.2 In-Situ Physical & Chemical Sensors for Water Business Overview
- 4.12.3 In-Situ Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.12.4 In-Situ Product Portfolio
- 4.12.5 In-Situ Recent Developments

4.13 Knick

- 4.13.1 Knick Physical & Chemical Sensors for Water Company Information
- 4.13.2 Knick Physical & Chemical Sensors for Water Business Overview
- 4.13.3 Knick Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.13.4 Knick Product Portfolio
- 4.13.5 Knick Recent Developments

4.14 Tethys

- 4.14.1 Tethys Physical & Chemical Sensors for Water Company Information
- 4.14.2 Tethys Physical & Chemical Sensors for Water Business Overview
- 4.14.3 Tethys Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.14.4 Tethys Product Portfolio
- 4.14.5 Tethys Recent Developments

4.15 Hamilton

- 4.15.1 Hamilton Physical & Chemical Sensors for Water Company Information
- 4.15.2 Hamilton Physical & Chemical Sensors for Water Business Overview
- 4.15.3 Hamilton Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.15.4 Hamilton Product Portfolio
- 4.15.5 Hamilton Recent Developments

4.16 Mettler Toledo

- 4.16.1 Mettler Toledo Physical & Chemical Sensors for Water Company Information
- 4.16.2 Mettler Toledo Physical & Chemical Sensors for Water Business Overview
- 4.16.3 Mettler Toledo Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)
- 4.16.4 Mettler Toledo Product Portfolio
- 4.16.5 Mettler Toledo Recent Developments

4.17 Xiamen Enlai

4.17.1 Xiamen Enlai Physical & Chemical Sensors for Water Company Information

4.17.2 Xiamen Enlai Physical & Chemical Sensors for Water Business Overview

4.17.3 Xiamen Enlai Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)

4.17.4 Xiamen Enlai Product Portfolio

4.17.5 Xiamen Enlai Recent Developments

4.18 Suzhou Broadsensor

4.18.1 Suzhou Broadsensor Physical & Chemical Sensors for Water Company Information

4.18.2 Suzhou Broadsensor Physical & Chemical Sensors for Water Business Overview

4.18.3 Suzhou Broadsensor Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)

4.18.4 Suzhou Broadsensor Product Portfolio

4.18.5 Suzhou Broadsensor Recent Developments

4.19 Hangzhou Sinomeasure

4.19.1 Hangzhou Sinomeasure Physical & Chemical Sensors for Water Company Information

4.19.2 Hangzhou Sinomeasure Physical & Chemical Sensors for Water Business Overview

4.19.3 Hangzhou Sinomeasure Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)

4.19.4 Hangzhou Sinomeasure Product Portfolio

4.19.5 Hangzhou Sinomeasure Recent Developments

4.20 Sensotronic System

4.20.1 Sensotronic System Physical & Chemical Sensors for Water Company Information

4.20.2 Sensotronic System Physical & Chemical Sensors for Water Business Overview

4.20.3 Sensotronic System Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)

4.20.4 Sensotronic System Product Portfolio

4.20.5 Sensotronic System Recent Developments

4.21 Microset

4.21.1 Microset Physical & Chemical Sensors for Water Company Information

4.21.2 Microset Physical & Chemical Sensors for Water Business Overview

4.21.3 Microset Physical & Chemical Sensors for Water Production, Value and Gross Margin (2021-2026)

4.21.4 Microset Product Portfolio

4.21.5 Microset Recent Developments

5 Global Physical & Chemical Sensors for Water Production by Region

5.1 Global Physical & Chemical Sensors for Water Production Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

5.2 Global Physical & Chemical Sensors for Water Production by Region: 2021-2032

5.2.1 Global Physical & Chemical Sensors for Water Production by Region: 2021-2026

5.2.2 Global Physical & Chemical Sensors for Water Production Forecast by Region (2027-2032)

5.3 Global Physical & Chemical Sensors for Water Production Value Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

5.4 Global Physical & Chemical Sensors for Water Production Value by Region: 2021-2032

5.4.1 Global Physical & Chemical Sensors for Water Production Value by Region: 2021-2026

5.4.2 Global Physical & Chemical Sensors for Water Production Value Forecast by Region (2027-2032)

5.5 Global Physical & Chemical Sensors for Water Market Price Analysis by Region (2021-2026)

5.6 Global Physical & Chemical Sensors for Water Production and Value, YOY Growth

5.6.1 North America Physical & Chemical Sensors for Water Production Value Estimates and Forecasts (2021-2032)

5.6.2 Europe Physical & Chemical Sensors for Water Production Value Estimates and Forecasts (2021-2032)

5.6.3 China Physical & Chemical Sensors for Water Production Value Estimates and Forecasts (2021-2032)

5.6.4 Japan Physical & Chemical Sensors for Water Production Value Estimates and Forecasts (2021-2032)

6 Global Physical & Chemical Sensors for Water Consumption by Region

6.1 Global Physical & Chemical Sensors for Water Consumption Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

6.2 Global Physical & Chemical Sensors for Water Consumption by Region (2021-2032)

6.2.1 Global Physical & Chemical Sensors for Water Consumption by Region: 2021-2026

6.2.2 Global Physical & Chemical Sensors for Water Forecasted Consumption by Region (2027-2032)

6.3 North America

6.3.1 North America Physical & Chemical Sensors for Water Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.3.2 North America Physical & Chemical Sensors for Water Consumption by Country (2021-2032)

6.3.3 United States

6.3.4 Canada

6.3.5 Mexico

6.4 Europe

6.4.1 Europe Physical & Chemical Sensors for Water Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.4.2 Europe Physical & Chemical Sensors for Water Consumption by Country (2021-2032)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.4.8 Spain

6.4.9 Netherlands

6.4.10 Switzerland

6.4.11 Sweden

6.4.12 Poland

6.5 Asia Pacific

6.5.1 Asia Pacific Physical & Chemical Sensors for Water Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.5.2 Asia Pacific Physical & Chemical Sensors for Water Consumption by Country (2021-2032)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 India

6.5.7 Australia

6.5.8 Taiwan

6.5.9 Southeast Asia

6.6 South America, Middle East & Africa

6.6.1 South America, Middle East & Africa Physical & Chemical Sensors for Water Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.6.2 South America, Middle East & Africa Physical & Chemical Sensors for Water Consumption by Country (2021-2032)

6.6.3 Brazil

6.6.4 Argentina

6.6.5 Chile

6.6.6 Turkey

6.6.7 GCC Countries

7 Segment by Priority Parameter

7.1 Global Physical & Chemical Sensors for Water Production by Priority Parameter (2021-2032)

7.1.1 Global Physical & Chemical Sensors for Water Production by Priority Parameter (2021-2032) & (K Units)

7.1.2 Global Physical & Chemical Sensors for Water Production Market Share by Priority Parameter (2021-2032)

7.2 Global Physical & Chemical Sensors for Water Production Value by Priority Parameter (2021-2032)

7.2.1 Global Physical & Chemical Sensors for Water Production Value by Priority Parameter (2021-2032) & (US\$ Million)

7.2.2 Global Physical & Chemical Sensors for Water Production Value Market Share by Priority Parameter (2021-2032)

7.3 Global Physical & Chemical Sensors for Water Price by Priority Parameter (2021-2032)

8 Segment by Application

8.1 Global Physical & Chemical Sensors for Water Production by Application (2021-2032)

8.1.1 Global Physical & Chemical Sensors for Water Production by Application (2021-2032) & (K Units)

8.1.2 Global Physical & Chemical Sensors for Water Production Market Share by Application (2021-2032)

8.2 Global Physical & Chemical Sensors for Water Production Value by Application (2021-2032)

8.2.1 Global Physical & Chemical Sensors for Water Production Value by Application (2021-2032) & (US\$ Million)

8.2.2 Global Physical & Chemical Sensors for Water Production Value Market Share by Application (2021-2032)

8.3 Global Physical & Chemical Sensors for Water Price by Application (2021-2032)

9 Value Chain and Sales Channels Analysis of the Market

9.1 Physical & Chemical Sensors for Water Value Chain Analysis

9.1.1 Physical & Chemical Sensors for Water Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Physical & Chemical Sensors for Water Production Mode & Process

9.2 Physical & Chemical Sensors for Water Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Physical & Chemical Sensors for Water Distributors

9.2.3 Physical & Chemical Sensors for Water Customers

10 Global Physical & Chemical Sensors for Water Analyzing Market Dynamics

10.1 Physical & Chemical Sensors for Water Industry Trends

10.2 Physical & Chemical Sensors for Water Industry Drivers

10.3 Physical & Chemical Sensors for Water Industry Opportunities and Challenges

10.4 Physical & Chemical Sensors for Water Industry Restraints

11 Report Conclusion

12 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Secondary Sources
- Table 2: Primary Sources
- Table 3: Market Value Comparison by Priority Parameter (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 4: Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global Physical & Chemical Sensors for Water Production by Manufacturers (K Units) & (2021-2026)
- Table 6: Global Physical & Chemical Sensors for Water Production Market Share by Manufacturers
- Table 7: Global Physical & Chemical Sensors for Water Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 8: Global Physical & Chemical Sensors for Water Production Value Market Share by Manufacturers (2021-2026)
- Table 9: Global Physical & Chemical Sensors for Water Average Price (US\$/Unit) of Manufacturers (2021-2026)
- Table 10: Global Physical & Chemical Sensors for Water Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global Physical & Chemical Sensors for Water Key Manufacturers, Manufacturing Sites & Headquarters
- Table 12: Global Physical & Chemical Sensors for Water Manufacturers, Product Type & Application
- Table 13: Global Physical & Chemical Sensors for Water Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Physical & Chemical Sensors for Water by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Manufacturers Mergers & Acquisitions, Expansion Plans
- Table 17: Aqualabo Company Information
- Table 18: Aqualabo Business Overview
- Table 19: Aqualabo Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 20: Aqualabo Physical & Chemical Sensors for Water Product Portfolio
- Table 21: Aqualabo Recent Development
- Table 22: Endress Hauser Company Information
- Table 23: Endress Hauser Business Overview
- Table 24: Endress Hauser Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 25: Endress Hauser Physical & Chemical Sensors for Water Product Portfolio
- Table 26: Endress Hauser Recent Development
- Table 27: Xylem Company Information
- Table 28: Xylem Business Overview
- Table 29: Xylem Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 30: Xylem Physical & Chemical Sensors for Water Product Portfolio
- Table 31: Xylem Recent Development
- Table 32: Yokogawa Company Information
- Table 33: Yokogawa Business Overview
- Table 34: Yokogawa Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 35: Yokogawa Physical & Chemical Sensors for Water Product Portfolio
- Table 36: Yokogawa Recent Development
- Table 37: Emerson Company Information
- Table 38: Emerson Business Overview
- Table 39: Emerson Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 40: Emerson Physical & Chemical Sensors for Water Product Portfolio
- Table 41: Emerson Recent Development
- Table 42: ABB Company Information
- Table 43: ABB Business Overview
- Table 44: ABB Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 45: ABB Physical & Chemical Sensors for Water Product Portfolio
- Table 46: ABB Recent Development
- Table 47: Trios Company Information
- Table 48: Trios Business Overview

- Table 49: Trios Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 50: Trios Physical & Chemical Sensors for Water Product Portfolio
- Table 51: Trios Recent Development
- Table 52: S::can Company Information
- Table 53: S::can Business Overview
- Table 54: S::can Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 55: S::can Physical & Chemical Sensors for Water Product Portfolio
- Table 56: S::can Recent Development
- Table 57: Jumo Company Information
- Table 58: Jumo Business Overview
- Table 59: Jumo Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 60: Jumo Physical & Chemical Sensors for Water Product Portfolio
- Table 61: Jumo Recent Development
- Table 62: ATI Company Information
- Table 63: ATI Business Overview
- Table 64: ATI Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 65: ATI Physical & Chemical Sensors for Water Product Portfolio
- Table 66: ATI Recent Development
- Table 67: Hach Company Information
- Table 68: Hach Business Overview
- Table 69: Hach Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 70: Hach Physical & Chemical Sensors for Water Product Portfolio
- Table 71: Hach Recent Development
- Table 72: In-Situ Company Information
- Table 73: In-Situ Business Overview
- Table 74: In-Situ Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 75: In-Situ Physical & Chemical Sensors for Water Product Portfolio
- Table 76: In-Situ Recent Development
- Table 77: Knick Company Information
- Table 78: Knick Business Overview
- Table 79: Knick Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 80: Knick Physical & Chemical Sensors for Water Product Portfolio
- Table 81: Knick Recent Development
- Table 82: Tethys Company Information
- Table 83: Tethys Business Overview
- Table 84: Tethys Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 85: Tethys Physical & Chemical Sensors for Water Product Portfolio
- Table 86: Tethys Recent Development
- Table 87: Hamilton Company Information
- Table 88: Hamilton Business Overview
- Table 89: Hamilton Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 90: Hamilton Physical & Chemical Sensors for Water Product Portfolio
- Table 91: Hamilton Recent Development
- Table 92: Mettler Toledo Company Information
- Table 93: Mettler Toledo Business Overview
- Table 94: Mettler Toledo Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 95: Mettler Toledo Physical & Chemical Sensors for Water Product Portfolio
- Table 96: Mettler Toledo Recent Development
- Table 97: Xiamen Enlai Company Information
- Table 98: Xiamen Enlai Business Overview
- Table 99: Xiamen Enlai Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 100: Xiamen Enlai Physical & Chemical Sensors for Water Product Portfolio
- Table 101: Xiamen Enlai Recent Development
- Table 102: Suzhou BROADSENSOR Company Information

- Table 103: Suzhou Broadsensor Business Overview
- Table 104: Suzhou Broadsensor Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 105: Suzhou Broadsensor Physical & Chemical Sensors for Water Product Portfolio
- Table 106: Suzhou Broadsensor Recent Development
- Table 107: Hangzhou Sinomeasure Company Information
- Table 108: Hangzhou Sinomeasure Business Overview
- Table 109: Hangzhou Sinomeasure Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 110: Hangzhou Sinomeasure Physical & Chemical Sensors for Water Product Portfolio
- Table 111: Hangzhou Sinomeasure Recent Development
- Table 112: Sensotronic System Company Information
- Table 113: Sensotronic System Business Overview
- Table 114: Sensotronic System Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 115: Sensotronic System Physical & Chemical Sensors for Water Product Portfolio
- Table 116: Sensotronic System Recent Development
- Table 117: Microset Company Information
- Table 118: Microset Business Overview
- Table 119: Microset Physical & Chemical Sensors for Water Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 120: Microset Physical & Chemical Sensors for Water Product Portfolio
- Table 121: Microset Recent Development
- Table 122: Global Physical & Chemical Sensors for Water Production Comparison by Region: 2021 VS 2025 VS 2032 (K Units)
- Table 123: Global Physical & Chemical Sensors for Water Production by Region (2021-2026) & (K Units)
- Table 124: Global Physical & Chemical Sensors for Water Production Market Share by Region (2021-2026)
- Table 125: Global Physical & Chemical Sensors for Water Production Forecast by Region (2027-2032) & (K Units)
- Table 126: Global Physical & Chemical Sensors for Water Production Market Share Forecast by Region (2027-2032)
- Table 127: Global Physical & Chemical Sensors for Water Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 128: Global Physical & Chemical Sensors for Water Production Value by Region (2021-2026) & (US\$ Million)
- Table 129: Global Physical & Chemical Sensors for Water Production Value Market Share by Region (2021-2026)
- Table 130: Global Physical & Chemical Sensors for Water Production Value Forecast by Region (2027-2032) & (US\$ Million)
- Table 131: Global Physical & Chemical Sensors for Water Market Average Price (US\$/Unit) by Region (2021-2026)
- Table 132: Global Physical & Chemical Sensors for Water Market Average Price (US\$/Unit) by Region (2027-2032)
- Table 133: Global Physical & Chemical Sensors for Water Consumption Comparison by Region: 2021 VS 2025 VS 2032 (K Units)
- Table 134: Global Physical & Chemical Sensors for Water Consumption by Region (2021-2026) & (K Units)
- Table 135: Global Physical & Chemical Sensors for Water Consumption Market Share by Region (2021-2026)
- Table 136: Global Physical & Chemical Sensors for Water Forecasted Consumption by Region (2027-2032) & (K Units)
- Table 137: Global Physical & Chemical Sensors for Water Forecasted Consumption Market Share by Region (2027-2032)
- Table 138: North America Physical & Chemical Sensors for Water Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K Units)
- Table 139: North America Physical & Chemical Sensors for Water Consumption by Country (2021-2026) & (K Units)
- Table 140: North America Physical & Chemical Sensors for Water Consumption by Country (2027-2032) & (K Units)
- Table 141: Europe Physical & Chemical Sensors for Water Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K Units)
- Table 142: Europe Physical & Chemical Sensors for Water Consumption by Country (2021-2026) & (K Units)
- Table 143: Europe Physical & Chemical Sensors for Water Consumption by Country (2027-2032) & (K Units)
- Table 144: Asia Pacific Physical & Chemical Sensors for Water Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K Units)
- Table 145: Asia Pacific Physical & Chemical Sensors for Water Consumption by Country (2021-2026) & (K Units)
- Table 146: Asia Pacific Physical & Chemical Sensors for Water Consumption by Country (2027-2032) & (K Units)
- Table 147: South America, Middle East & Africa Physical & Chemical Sensors for Water Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K Units)
- Table 148: South America, Middle East & Africa Physical & Chemical Sensors for Water Consumption by Country (2021-2026) & (K Units)
- Table 149: South America, Middle East & Africa Physical & Chemical Sensors for Water Consumption by Country (2027-2032) & (K Units)
- Table 150: Global Physical & Chemical Sensors for Water Production by Priority Parameter (2021-2026) & (K Units)
- Table 151: Global Physical & Chemical Sensors for Water Production by Priority Parameter (2027-2032) & (K Units)
- Table 152: Global Physical & Chemical Sensors for Water Production Market Share by Priority Parameter (2021-2026)
- Table 153: Global Physical & Chemical Sensors for Water Production Market Share by Priority Parameter (2027-2032)
- Table 154: Global Physical & Chemical Sensors for Water Production Value by Priority Parameter (2021-2026) & (US\$ Million)
- Table 155: Global Physical & Chemical Sensors for Water Production Value by Priority Parameter (2027-2032) & (US\$ Million)

- Table 156: Global Physical & Chemical Sensors for Water Production Value Market Share by Priority Parameter (2021-2026)
- Table 157: Global Physical & Chemical Sensors for Water Production Value Market Share by Priority Parameter (2027-2032)
- Table 158: Global Physical & Chemical Sensors for Water Price by Priority Parameter (2021-2026) & (US\$/Unit)
- Table 159: Global Physical & Chemical Sensors for Water Price by Priority Parameter (2027-2032) & (US\$/Unit)
- Table 160: Global Physical & Chemical Sensors for Water Production by Application (2021-2026) & (K Units)
- Table 161: Global Physical & Chemical Sensors for Water Production by Application (2027-2032) & (K Units)
- Table 162: Global Physical & Chemical Sensors for Water Production Market Share by Application (2021-2026)
- Table 163: Global Physical & Chemical Sensors for Water Production Market Share by Application (2027-2032)
- Table 164: Global Physical & Chemical Sensors for Water Production Value by Application (2021-2026) & (US\$ Million)
- Table 165: Global Physical & Chemical Sensors for Water Production Value by Application (2027-2032) & (US\$ Million)
- Table 166: Global Physical & Chemical Sensors for Water Production Value Market Share by Application (2021-2026)
- Table 167: Global Physical & Chemical Sensors for Water Production Value Market Share by Application (2027-2032)
- Table 168: Global Physical & Chemical Sensors for Water Price by Application (2021-2026) & (US\$/Unit)
- Table 169: Global Physical & Chemical Sensors for Water Price by Application (2027-2032) & (US\$/Unit)
- Table 170: Key Raw Materials
- Table 171: Raw Materials Key Suppliers
- Table 172: Physical & Chemical Sensors for Water Distributors List
- Table 173: Physical & Chemical Sensors for Water Customers List
- Table 174: Physical & Chemical Sensors for Water Industry Trends
- Table 175: Physical & Chemical Sensors for Water Industry Drivers
- Table 176: Physical & Chemical Sensors for Water Industry Restraints
- Table 177: Authors List of This Report

List of Figures:

- Figure 1: Research Methodology
- Figure 2: Research Process
- Figure 3: Key Executives Interviewed
- Figure 4: Physical & Chemical Sensors for Water Product Image
- Figure 5: Market Value Comparison by Priority Parameter (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 6: Conductivity Product Image
- Figure 7: Turbidity Product Image
- Figure 8: pH Product Image
- Figure 9: Redox Product Image
- Figure 10: Dissolved Oxygen Product Image
- Figure 11: Multi Parameter Sensor (2 ~ 4 Parameters) Product Image
- Figure 12: Multi Parameter Sensor (5 ~ 6 Parameters) Product Image
- Figure 13: Multi Parameter Sensor (With Correlated Data) Product Image
- Figure 14: Others Product Image
- Figure 15: River Product Image
- Figure 16: Sewer Product Image
- Figure 17: Water Treatment Plants Product Image
- Figure 18: Industrials Effluents Product Image
- Figure 19: Global Physical & Chemical Sensors for Water Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 20: Global Physical & Chemical Sensors for Water Production Value (2021-2032) & (US\$ Million)
- Figure 21: Global Physical & Chemical Sensors for Water Production Capacity (2021-2032) & (K Units)
- Figure 22: Global Physical & Chemical Sensors for Water Production (2021-2032) & (K Units)
- Figure 23: Global Physical & Chemical Sensors for Water Average Price (US\$/Unit) & (2021-2032)
- Figure 24: Global Physical & Chemical Sensors for Water Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 25: Global Top 5 and 10 Physical & Chemical Sensors for Water Players Market Share by Production Value in 2025
- Figure 26: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 27: Global Physical & Chemical Sensors for Water Production Comparison by Region: 2021 VS 2025 VS 2032 (K Units)
- Figure 28: Global Physical & Chemical Sensors for Water Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 29: Global Physical & Chemical Sensors for Water Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 30: Global Physical & Chemical Sensors for Water Production Value Market Share by Region: 2021 VS 2025 VS 2032
- Figure 31: North America Physical & Chemical Sensors for Water Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 32: Europe Physical & Chemical Sensors for Water Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 33: China Physical & Chemical Sensors for Water Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 34: Japan Physical & Chemical Sensors for Water Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 35: Global Physical & Chemical Sensors for Water Consumption Comparison by Region: 2021 VS 2025 VS 2032 (K Units)
- Figure 36: Global Physical & Chemical Sensors for Water Consumption Market Share by Region: 2021 VS 2025 VS 2032
- Figure 37: North America Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)

- Figure 38: North America Physical & Chemical Sensors for Water Consumption Market Share by Country (2021-2032)
- Figure 39: United States Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 40: United States Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 41: Canada Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 42: Mexico Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 43: Europe Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 44: Europe Physical & Chemical Sensors for Water Consumption Market Share by Country (2021-2032)
- Figure 45: Germany Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 46: France Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 47: U.K. Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 48: Italy Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 49: Russia Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 50: Spain Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 51: Netherlands Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 52: Switzerland Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 53: Sweden Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 54: Poland Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 55: Asia Pacific Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 56: Asia Pacific Physical & Chemical Sensors for Water Consumption Market Share by Country (2021-2032)
- Figure 57: China Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 58: Japan Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 59: South Korea Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 60: India Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 61: Australia Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 62: Taiwan Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 63: Southeast Asia Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 64: South America, Middle East & Africa Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 65: South America, Middle East & Africa Physical & Chemical Sensors for Water Consumption Market Share by Country (2021-2032)
- Figure 66: Brazil Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 67: Argentina Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 68: Chile Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 69: Turkey Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 70: GCC Countries Physical & Chemical Sensors for Water Consumption and Growth Rate (2021-2032) & (K Units)
- Figure 71: Global Physical & Chemical Sensors for Water Production Market Share by Priority Parameter (2021-2032)
- Figure 72: Global Physical & Chemical Sensors for Water Production Value Market Share by Priority Parameter (2021-2032)
- Figure 73: Global Physical & Chemical Sensors for Water Price (US\$/Unit) by Priority Parameter (2021-2032)
- Figure 74: Global Physical & Chemical Sensors for Water Production Market Share by Application (2021-2032)
- Figure 75: Global Physical & Chemical Sensors for Water Production Value Market Share by Application (2021-2032)
- Figure 76: Global Physical & Chemical Sensors for Water Price (US\$/Unit) by Application (2021-2032)
- Figure 77: Physical & Chemical Sensors for Water Value Chain
- Figure 78: Physical & Chemical Sensors for Water Production Mode & Process
- Figure 79: Direct Comparison with Distribution Share
- Figure 80: Distributors Profiles
- Figure 81: Physical & Chemical Sensors for Water Industry Opportunities and Challenges