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Global Water Quality Monitoring Systems Market Size Study & Forecast, by Type and Application and Regional Forecasts 2025-2035

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Abstracts

The Global Water Quality Monitoring Systems Market is valued at approximately USD 5.29 billion in 2024 and is projected to grow at a compound annual growth rate (CAGR) of over 7.20% throughout the forecast period from 2025 to 2035. Water Quality Monitoring Systems (WQMS) have become indispensable in today's increasingly water-stressed world, enabling stakeholders to ensure the safety and sustainability of vital water sources. These systems consist of an integrated suite of sensors, data acquisition units, and advanced analytics platforms, all working in tandem to detect, measure, and evaluate water quality parameters in real time. The surging demand across industrial and commercial sectors, coupled with stringent environmental regulations, has been instrumental in accelerating the adoption of these technologies. Additionally, increasing public and private investments in smart water infrastructure and the proliferation of Internet of Things (IoT) solutions are providing a substantial push to the global market.

A key growth catalyst lies in the mounting industrial activity that demands continuous water quality surveillance to prevent contamination, optimize treatment processes, and comply with regulatory mandates. The global emphasis on reducing pollution levels and safeguarding public health has nudged industries to integrate WQMS into their operations proactively. Furthermore, the commercial sector—including water utilities, hospitality, and commercial real estate—is fast recognizing the significance of automated monitoring solutions in ensuring compliance and fostering trust among consumers. As per multiple environmental watchdog reports, increasing urban wastewater discharge, agricultural runoff, and climate-induced stressors have rendered traditional water testing methods obsolete, driving a transition to real-time monitoring systems that offer high accuracy, operational agility, and cost-efficiency.

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Geographically, North America currently dominates the global market, underpinned by robust environmental regulations, mature water infrastructure, and heavy investments in smart monitoring solutions by both public institutions and private enterprises. The United States, in particular, has witnessed early adoption due to initiatives spearheaded by the Environmental Protection Agency (EPA) and other federal bodies. Europe follows suit, with countries like Germany, the UK, and France placing strong emphasis on ecological conservation and smart city integration. However, the Asia Pacific region is poised for the fastest growth over the forecast period, driven by rapid urbanization, rising environmental awareness, and burgeoning industrial sectors in countries such as China, India, and Southeast Asian nations. Government-led initiatives toward improving access to clean drinking water and the implementation of real-time monitoring standards are expected to significantly propel market expansion across this region.

Major market player included in this report are:

Xylem Inc.

Thermo Fisher Scientific Inc.

Danaher Corporation

Evoqua Water Technologies LLC

Horiba Ltd.

General Electric Company

Teledyne Technologies Incorporated

YSI Inc. (a Xylem brand)

ABB Ltd.

Hanna Instruments Inc.

In-Situ Inc.

Analytical Technology Inc. (ATI)

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Libelium Comunicaciones Distribuidas S.L.

OAKTON Instruments

Sutron Corporation

Global Water Quality Monitoring Systems Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Type:

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Sensors

Data Acquisition Systems

Data Analysis & Visualization Tools

By Application:

Industrial

Commercial

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

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China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

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

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Competitive landscape with information on major players in the market.

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

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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