

# **Global Water Quality Monitoring Buoy Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030**

<https://marketpublishers.com/r/G9A39320AD9FEN.html>

Date: February 2024

Pages: 112

Price: US\$ 3,480.00 (Single User License)

ID: G9A39320AD9FEN

## **Abstracts**

According to our (Global Info Research) latest study, the global Water Quality Monitoring Buoy market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Water Quality Monitoring Buoy is a floating platform equipped with sensors to continuously monitor and collect data on various water parameters. These may include pH levels, dissolved oxygen, turbidity, and temperature. Deployed in water bodies such as lakes, rivers, or reservoirs, the buoy provides real-time information about water quality. It serves as an essential tool for environmental monitoring, research, and early detection of pollution events. The buoy's autonomous nature and ability to transmit data remotely make it a valuable asset in safeguarding water resources and ensuring timely responses to changes in water quality.

The industry trend for Water Quality Monitoring Buoys involves a surge in adoption driven by a growing global focus on water conservation and environmental protection. As water bodies face increasing threats from pollution and climate change, there is a rising need for continuous monitoring solutions. Advanced technologies, such as AI-driven analytics and integration with IoT platforms, enhance the capabilities of these buoys, providing more comprehensive insights. The trend reflects a commitment to sustainable water management practices and the protection of aquatic ecosystems through proactive water quality monitoring solutions.

The Global Info Research report includes an overview of the development of the Water Quality Monitoring Buoy industry chain, the market status of Drinking Water Source Testing (Solar Power Supply, Battery Powered), Surface Water Monitoring (Solar Power

Supply, Battery Powered), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Water Quality Monitoring Buoy.

Regionally, the report analyzes the Water Quality Monitoring Buoy markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Water Quality Monitoring Buoy market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Water Quality Monitoring Buoy market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Water Quality Monitoring Buoy industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Solar Power Supply, Battery Powered).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Water Quality Monitoring Buoy market.

**Regional Analysis:** The report involves examining the Water Quality Monitoring Buoy market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Water Quality Monitoring Buoy market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Water Quality Monitoring Buoy:

**Company Analysis:** Report covers individual Water Quality Monitoring Buoy manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Water Quality Monitoring Buoy. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Drinking Water Source Testing, Surface Water Monitoring).

**Technology Analysis:** Report covers specific technologies relevant to Water Quality Monitoring Buoy. It assesses the current state, advancements, and potential future developments in Water Quality Monitoring Buoy areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Water Quality Monitoring Buoy market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Water Quality Monitoring Buoy market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Solar Power Supply

Battery Powered

Others

## Market segment by Application

Drinking Water Source Testing

Surface Water Monitoring

Aquaculture Water Quality Monitoring

Others

## Major players covered

Sofar Ocean Technologies

Lg Sonci

YSI

NexSens

Zeniya Aluminum Group

Beijing SDL Technology

Bescient Technologies

Tianhangwisdom

Shandong Dongrun Instrument Science And Technology

Yuyan Technology

Shanghai Boqu Instrument

Shandong Fengtu IOT Technology

Suzhou Yushan Sensor Technology

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 Water Quality Monitoring Buoy product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Water Quality Monitoring Buoy, with price, sales, revenue and global market share of Water Quality Monitoring Buoy from 2019 to 2024.

Chapter 3, the Water Quality Monitoring Buoy competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Water Quality Monitoring Buoy breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Water Quality Monitoring Buoy market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Water Quality Monitoring Buoy.

Chapter 14 and 15, to describe Water Quality Monitoring Buoy sales channel, distributors, customers, research findings and conclusion.

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