

# Measuring Turbidity Water Meter Market Size to Hit USD 992.2 million by 2030 – Astute Analytica

CHICAGO, UNITED STATES, January 24, 2023 /EINPresswire.com/ -- [Global measuring turbidity water meter market](#) will generate a revenue of US\$ 992.2 million by 2030 from US\$ 534.3 million in 2021, registering a CAGR of 7.3% during the forecast period.

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Water turbidity meter demand is growing continuously. As turbidity meters are crucial for maintaining water quality and can be used to spot possible issues at an early stage. This is especially crucial in areas with limited or contaminated water supplies. Turbidity meters come in a variety and individually have their own disadvantages and advantages. In order to detect turbidity levels, some meters utilize optical or acoustic sensors, while others use electrochemical techniques.

The growing understanding of the essentials for clean drinking water and the rising need from the food and beverage manufacturing industry is further driving the global market growth.

## Elements Affecting the Global Market Growth

### Growing Need in Food & Beverage Industry

Several common beverage ingredients, mainly some dietary ingredients, are inconsistent in clear beverages because they detract from the energizing experience that customers expect from clear beverages by altering flavor or consistency.

Since more people are becoming aware of the advantages of utilizing turbidity meters to monitor and enhance water quality, there is an increase in demand for turbidity water meters in the food and beverage business. Turbidity meters are crucial for tracking water purity, evaluating



the effectiveness of water treatment processes, and pinpointing potential sources of pollution. Turbidity meters are increasingly applied by food and beverage manufacturers as part of their everyday operations to evaluate the general quality of the water supply.

Major corporations have made investments in turbidity meters to raise the quality of their water, including Coca-Cola, Pepsi, Nestle, Unilever, and Mars.

Turbidity water meters are also evolving more prevalent in restaurants and small enterprises. This is so that they can be more affordable than other kinds of testing to determine the water quality. They are simple to operate and easy to install. Additionally, various small businesses lack access to labs that can analyze their water for more intricate contaminants. They can even guarantee that water is pure and safe to drink by employing a turbidity meter.

### The Continuous Expansion of New Turbidity Water Meter Technologies

This is so that the quality of the freshwater resources may be measured more precisely thanks to these meters. Turbidity meters are also increasingly used in fields like agriculture since they increase crop yields and inhibit the growth of aquatic weeds. Additionally, more advanced data transmission capabilities are being added to older turbidity water meter technologies, which did not previously have them. As a result, readings may now be shared between sites more rapidly and effectively.

The growing use of these water meters in ecological monitoring programs is another trend that is current. Through the use of these tools, researchers may better understand how freshwater ecosystems evolve over time, which will allow them to manage these resources more effectively. These systems can also assist in spotting issues early on when they are simpler to resolve.

### Restraint

Meters offer a reliable way to measure water turbidity when calibrated properly. Nevertheless, a few things can lead to inaccurate meters. Turbidity meters are frequently harder to find or get access to than water quality measuring equipment. Furthermore, testing and reporting practices are not uniformly followed by organizations and locales. Turbidity meters can also be expensive to buy and maintain, which makes it less likely that smaller water utilities will use them.

A major barrier to the use of turbidity meters in the water business is the absence of regulatory direction. Regulatory guidance would make it easier to understand the specifications for measuring turbidity, set norms for proper installation and upkeep, and stop incorrect use or fraud. There isn't yet any turbidity meter-specific regulatory advice. Due to the inconsistent manner in which these meters are installed and maintained, inaccurate measurements and probable misuse or fraud may arise.

### Segmentation Summary

In terms of product segment, the compact turbidity segment is maintaining a share of 35% of the global measuring turbidity water meter industry and will exceed a CAGR of 7.5% during 2022-2030. Considering their great accuracy and adaptability, compact turbidity meters have also gained popularity. They can help to gauge a number of things, such as the number of bacteria present, suspended solids, and particle size. They are also helpful for keeping an eye on water supplies and industrial settings' water quality. Contrary, the standalone turbidity meter segment will have the highest growth rate of 8.1% between 2022–2030.

In 2021, based on the display analysis segment, the LCD display segment had a maximum share of 57.1% and will surpass a CAGR of 8.3% over the analysis period. LCD screens are ideal for detecting water turbidity because they generate readings that are simple to read and can be updated in real-time. Due to their different advantages, LCD displays are in high demand. For instance, they are portable, allowing them to be used anywhere, simple to use, allowing any user to get up and running right away, and they give reliable readings, ensuring that users are obtaining an exact reading. Whereas, the LED displays segment will project an annual growth rate of 7.4% in the global industry throughout the prognosis years.

In 2021, based on the application segment, the wastewater treatment segment accounted for the share of 35.6% of the global industry. In the wastewater treatment sector, turbidity meters are increasingly in demand. Many communities are looking for solutions to keep an eye on and control wastewater quality. These organizations can assess the quantity of fecal coliform and other dangerous elements in the water thanks to the usage of turbidity meters. Monitoring the effectiveness of a wastewater treatment system can also be done with turbidity meters.

In order to calculate the number of suspended solids in a water sample, turbidity meters are employed. High levels of suspended particles can signal a number of issues with wastewater treatment procedures, such as clogged filters, ineffective biological treatment, and fouling of pipe systems. For this reason, this measurement is crucial. Additionally, a growing trend among local governments and businesses to employ discharge quality measurements as one important sign of adherence to environmental standards is likely to fuel the rise in demand for turbidity meters.

## Regional Overview

North America acquired the maximum share of 37.8% in the global measuring turbidity water meter industry. North America has been increasingly interested in measuring water turbidity meters as it becomes a key aspect of water quality. Because popular models from different manufacturers are frequently unavailable or impossible to get in Europe, American businesses have taken the lead in creating and promoting these machines.

Nephelometric turbidity units (NTU), a measure of turbidity, are not always reached in North America waters, which is against European Union standards. Instrument producers have thus far

concentrated mostly on high-quality equipment for industrial uses, such as pulp and paper mills, seafood processing facilities, and dye factories. Turbidity meters are now being used for environmental monitoring, which is of rising significance.

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#### Notable Competitors

The well-known competitors in the global measuring turbidity water meter market are:

Xylem

DKK-TOA Corporation

Tintometer GmbH

EMERSON ELECTRIC CO

THERMO FISHER SCIENTIFIC

Endress+Hauser

OPTEX Company

HACH

Optek Group

Hanna Instruments

OMEGA Engineering

Horiba

METTLER TOLEDO

INESA (Group) Co., Ltd

MERCK

LAMOTTE

Other Prominent Players

#### Segmentation Outline

The global measuring turbidity water meter market segmentation focuses on Product Type, Display, Application, End-User, Sales Channel, and Region.

By Product Type

Desktop Turbidity Meters

Compact Turbidity Meters

Standalone Turbidity Meters

Others

By Display

LED Display

LCD Display

By Application

Wastewater Treatment

Process Monitoring

River Monitoring  
Groundwater Measuring  
Reservoir Water Quality Testing  
Industrial Control  
Laboratory  
Other

By End User  
Chemistry and Pharmaceuticals  
Food and Beverage Manufacturing  
Water & Wastewater  
Others

By Sales Channel  
Online  
Offline  
o Direct  
Distributor

By Region  
North America  
U.S.  
Canada  
Mexico

Europe  
UK  
Germany  
France  
Italy  
Spain  
Poland  
Russia

Asia Pacific  
China  
Taiwan  
India  
Japan  
Australia & New Zealand  
ASEAN  
Rest of Asia Pacific

Middle East & Africa (MEA)

UAE

Saudi Arabia

South Africa

Rest of MEA

South America

Brazil

Argentina

Rest of South America

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