Residual Chlorine Meters Market 2023 Growth Overview, Trends, Statistics, Revenue & Forecast to 2030 – Astute Analytica

CHICAGO, UNITED STATES, January 16, 2023 /EINPresswire.com/ -- Global Residual Chlorine Meters Market is forecast to record an increase in revenue from US$ 330.2 Mn in 2021 to US$ 527.3 Mn by 2030. The market is growing at a CAGR of 5.3% during the forecast period from 2022 to 2030. In addition, in terms of volume, the global residual chlorine meters market is forecast to exhibit a CAGR of 4.9% during the forecast period.

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The residual chlorine meter makes it simple and quick to determine how much chlorine is still present in the sample is run at the time of the test. With the help of a polarographic sensor, free residual chlorine is measured over a low range of 0–2 ppm. Without the hassle and human error risks associated with conventional reagent-based portable devices, the measurement can be accomplished. The meter divides into a sensor assembly and a portable keypad. There has a sizable, easy-to-read LCD/LED panel in the keypad portion. Sensor assemblies come in two varieties: a flow-through cell suitable for flowing samples from tap water outlets and a grab sampler with a float for field sampling.

Factors Influencing Market Growth

Government investments in water treatment facilities and the explosive adoption of residual chlorine meters across a variety of industry verticals are two main factors driving the growth of the global residual chlorine meters industry. Additionally, the residual chlorine meters industry is expanding due to the rising need for clean drinking water.

In order to safeguard the environment and public health, the government has released a number of wastewater treatment techniques. Additionally, the rapidly expanding use of residual chlorine meters across a range of industry sectors, including the production of food and drink

and the disinfection of water, has further fueled the market expansion.

Additionally, the market for residual chlorine meters has a promising development opportunity due to the adoption of many technical improvements and the desire for online measurement. For instance, in Oct 2022, DKK-TOA Corporation introduced the WQC-40 portable multi-item water quality meter. The WQC-40 is a modified version of the standard product, "WQC-24," which can measure up to 9 different parameters simultaneously, including pH, conductivity, and turbidity.

Whereas, the increased material and fabrication expenses associated with meter manufacturing may limit the overall residual chlorine industry growth.

Impact Analysis of COVID-19

Due to the outbreak of the COVID-19 pandemic, the global residual chlorine meters industry recorded a minimal drop in 2021. This was due to the decreased government and private sector spending on the construction of wastewater treatment facilities and chlorine meter manufacture. Public and commercial businesses postponed investing in or spending on expanding production facilities owing to the global shutdowns and disruptions in residual chlorine meters. As a result, this is anticipated to restrain the market for residual chlorine meters worldwide. Furthermore, in order to solve the COVID-related global health catastrophe, clean water must currently be made available. Since hand washing, showering, cleaning, and disinfecting homes require high-quality water, businesses experienced significant growth in the industry.

Summary Outline

In 2021, on the basis of the solutions segment, the equipment segment accounted for the maximum share of the global residual chlorine meter industry. Whereas, the accessories segment is likely to account for the highest rate over the prediction years.

In 2021, in terms of the measurement segment, the offline (DPD colorimetric detection) segment recorded the leading position in the global industry. On the other hand, the online/ continuous (Amperometric Sensors) segment estimates to see a rise in growth rate in the global residual chlorine meter industry from 2022 to 2030.

In 2021, in terms of the form segment, the wall mount segment registered a significant share of the global residual chlorine meters industry due to its growing application in sectors such as water purification plants and food & beverages. On the other hand, the handheld/ portable segment will project the highest rate during the forecast years.

In 2021, in terms of the display segment, the LCD display segment held a dominant share in the global residual chlorine meters industry since they are available in analog and digital formats

and are normally slightly less costly compared to LED displays. On the other hand, the LED display segment
will exhibit the highest annual growth rate throughout the prognosis period due to its less power consumption and high life span.

In 2021, based on the application segment, the water purification plant segment garnered a significant share of the global industry. On the other hand, the food & beverages segment will have a lucrative CAGR in the global residual chlorine meter industry throughout the analysis period.

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Regional Summary

In 2021, in terms of region, North America recorded a considerable share of the global residual chlorine meters industry owing to the growing need from end-use sectors, including water and wastewater treatment, pulp and paper, food and beverage, etc. However, Asia Pacific will exhibit the highest rate from 2022 to 2030.

Leading Competitors
The well-known competitors in the global residual chlorine meters market are:
Extech Instruments
Analyticon Biotechnologies GmbH
Horiba
Christian Bürkert GmbH & Co. KG
DKK-Toa Corporation
ABB Ltd.
BOQU Instruments
Hanna Instruments
Lohand Biological
Hach Company
Tanita
Rakiro Biotech Systems Private Limited
Automated Water & Effluent Ltd.
Yokogawa Electric Corporation
Other Prominent Players

Segmentation Outline

The global residual chlorine meters market segmentation focuses on Solution, Measurement, Form, Display, Application, and Region.
By Solution Segment

Equipment
Consumables
Reagent Kits
- Reagent Tablets/Powders
- Color Wheel Comparator Kits
- Test Tube Comparator Kits
- Pool Test Kits

Test Strips
Electrodes
Accessories

By Measurement Segment
Offline (DPD Colorimetric Detection)
Online/Continuous (Amperometric Sensors)

By Form Segment
Wall-mount
Handheld/ Portable
Pen Style

By Display Segment
LED Display
LCD Display

By Application Segment
Water Purification Plant
- Industrial
- Municipal

Food and Beverages
Desalination
Laboratory Use
Others

By Region Segment
North America
The U.S.
Canada
Mexico

Europe
The UK
Germany
France

Italy
Spain
Poland
Russia
Rest of Europe

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

Middle East & Africa (MEA)
UAE
Saudi Arabia
South Africa
Rest of MEA

South America
Argentina
Brazil
Rest of South America

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Astute Analytica is a global analytics and advisory company that has built a solid reputation in a short period, thanks to the tangible outcomes we have delivered to our clients. We pride ourselves in generating unparalleled, in-depth, and uncannily accurate estimates and projections for our very demanding clients spread across different verticals. We have a long list of satisfied and repeat clients from a wide spectrum including technology, healthcare, chemicals, semiconductors, FMCG, and many more. These happy customers come to us from all across the Globe. They are able to make well-calibrated decisions and leverage highly lucrative opportunities while surmounting the fierce challenges all because we analyze for them the complex business environment, segment-wise existing and emerging possibilities, technology formations, growth estimates, and even the strategic choices available. In short, a complete package. All this is possible because we have a highly qualified, competent, and experienced team of professionals comprising business analysts, economists, consultants, and technology experts. In our list of priorities, you-our patron-come at the top. You can be sure of best cost-

effective, value-added package from us, should you decide to engage with us.

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