

Chemical Measuring Instrument Market Report 2025 | Growth Drivers, Key Trends & Future Outlook to 2029

*The Business Research Company's
Chemical Measuring Instrument Market
Report 2025 | Growth Drivers, Key Trends
& Future Outlook to 2029*

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How Much Is The Chemical Measuring Instrument Market Worth?

In recent times, there has been a substantial growth in the market size for chemical measuring instruments. The market worth, which is \$6.21 billion in 2024, is estimated to escalate to \$6.67 billion in 2025, with a compound annual growth rate (CAGR) of 7.4%. This past period growth can be credited to several factors including a rise in demand for accurate measurements, inclination towards instruments capable of multiple parameters, an increase in replacing old instruments, heightened attention towards sustainability and controlling emissions, and a surge in demand for user-friendly interfaces.



Expected to grow to \$8.77 billion in 2029 at a compound annual growth rate (CAGR) of 7.1%"

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The market for chemical measuring instruments is anticipated to undergo robust expansion in the coming years, ballooning to a whopping \$8.77 billion by 2029 with a 7.1% CAGR. This anticipated growth over the forecast period can be ascribed to several factors such as the escalating demand for accurate chemical analyses, an upsurge in pharmaceutical and biotech research activity, heightened initiatives for process optimization, global industrial expansion and enhanced monitoring in the energy sector. Top trends that will shape the market during the forecast period will be the evolution of digital instrumentation, sophisticated sensor technology advancements, developments in real-time data analytics, a significant reduction in device size, and the invention of portable and handheld devices.

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What Are The Factors Driving The Chemical Measuring Instrument Market?

The increasing attention on individualized healthcare is predicted to fuel the expansion of the market for chemical measuring instruments. Personalized medicine is a medical strategy that customizes treatment and healthcare choices based on a person's genetic, environmental, and lifestyle factors, resulting in more efficient and accurate care. The surge in interest in personalized medicine is due to developments in genetic and molecular diagnostics, as patients and their healthcare providers look for treatments that are tailored to personal genetic profiles, thereby enhancing effectiveness and minimizing side effects. Chemical measuring instruments facilitate this growing emphasis on personalized medicine through accurate analysis of biological samples, observing drug interplay, and identifying molecular and chemical properties. This allows medical professionals and scientists to develop therapies specific to individual patient profiles. For example, the Personalized Medicine Coalition, a non-profit organization based in the US, announced in February 2024 that the FDA had approved 16 new personalized treatments for patients with rare diseases in 2023. This was a significant increase from six approvals in the previous year, indicating a substantial increase in targeted therapeutic alternatives. As such, this growing focus on personalized medicine is bolstering the expansion of the market for chemical measuring instruments.

Who Are The Major Players In The Chemical Measuring Instrument Market?

Major players in the Chemical Measuring Instrument Global Market Report 2025 include:

- Honeywell International Inc.
- Abb Ltd.
- Agilent Technologies Inc.
- Ametek Inc.
- Endress+Hauser Group Services AG
- Mettler-Toledo International Inc.
- Sartorius Ag
- Shimadzu Corporation
- Perkinelmer Inc.
- Bruker Corporation

What Are Some Emerging Trends In The Chemical Measuring Instrument Market?

Prominent firms in the chemical measuring instruments market are progressively concentrating on technological breakthroughs such as sophisticated surface energy analysis to boost precision in measurements, improve material analysis, and streamline chemical process observation. This advanced surface energy analysis method is used to identify the surface energy of a material, providing valuable data about its interactions, adhesion attributes, and overall surface activity. To illustrate, in October 2024, DataPhysics Instruments, a manufacturing company based in Germany, unveiled the Portable Contact Angle Goniometer PCA 200. This gadget is designed to

accurately measure surface wettability and contact angles. The apparatus merges portability and simplicity of operation, making it suitable for both lab and field-use application. It is intended to give researchers a more precise and adaptable tool for analyzing surface characteristics and aiding in the monitoring of chemical processes.

Which Segment Accounted For The Largest Chemical Measuring Instrument Market Share?
The chemical measuring instruments market covered in this report is segmented as

- 1) By Product Type: Potential Of Hydrogen (pH) Meters, Conductivity Meters, Viscometers, Spectrophotometers, Chromatography Instruments, Mass Spectrometers
- 2) By Technology: Digital Technology, Analog Technology, Hybrid Technology
- 3) By Application: Pharmaceutical Industry, Petrochemical And Oil And Gas , Water And Wastewater Treatment, Food And Beverage Industry
- 4) By Distribution Channel: Direct Sales, Online Retail, Distributors Or Wholesalers, Company-Owned Stores.

Sub Segments:

- 1) By Potential Of Hydrogen (pH) Meters: Benchtop Potential Of Hydrogen (pH) Meters, Portable Or Handheld Potential Of Hydrogen (pH) Meters, Inline Or Online Potential Of Hydrogen (pH) Meters, Combination Electrodes, Glass Electrodes.
- 2) By Conductivity Meters: Benchtop Conductivity Meters, Portable Or Handheld Conductivity Meters, Inline Or Online Conductivity Meters, TDS (Total Dissolved Solids) Meters.
- 3) By Viscometers: Rotational Viscometers, Capillary Viscometers, Falling Ball Viscometers, Brookfield Viscometers, Cone And Plate Viscometers.
- 4) By Spectrophotometers: UV-Visible (UV-Vis) Spectrophotometers, Infrared (IR) Spectrophotometers, Atomic Absorption (AA) Spectrophotometers, Fluorescence Spectrophotometers, Near-Infrared (NIR) Spectrophotometers.
- 5) By Chromatography Instruments: Gas Chromatographs (GC), High-Performance Liquid Chromatographs (HPLC), Ion Chromatographs (IC), Thin Layer Chromatography (TLC) Systems.
- 6) By Mass Spectrometers: Time-of-Flight (TOF) Mass Spectrometers, Quadrupole Mass Spectrometers, Ion Trap Mass Spectrometers, Fourier Transform Ion Cyclotron Resonance (FT-ICR) Mass Spectrometers, Hybrid Mass Spectrometers.

View the full chemical measuring instrument market report:

<https://www.thebusinessresearchcompany.com/report/chemical-measuring-instrument-global-market-report>

What Are The Regional Trends In The Chemical Measuring Instrument Market?

For the given year, North America was the dominant force in the Chemical Measuring Instrument Global Market Report 2025. It's projected that the fastest-growing region will be Asia-Pacific. The report includes detailed analysis of various regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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