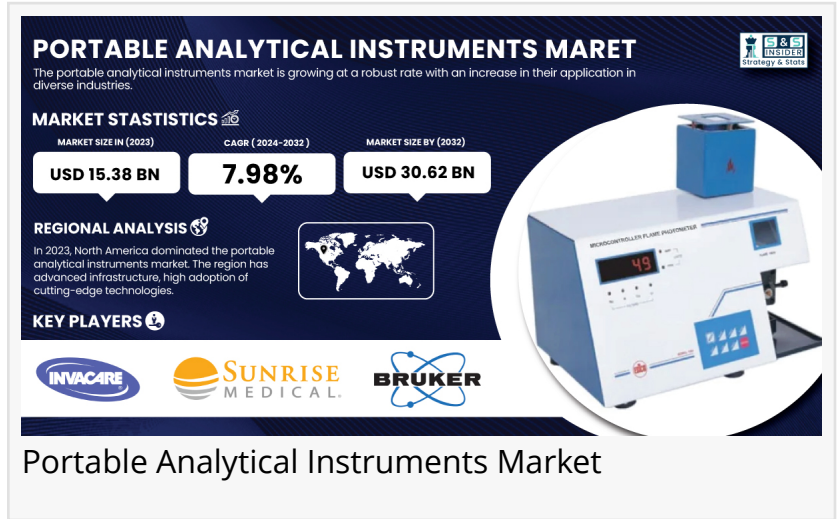


# Portable Analytical Instruments Market Growth to Surpass USD 30.62 Billion by 2032 | SNS Insider

*Rapid expansion and growing demand for portable testing solutions propel the analytical instruments market from USD 15.38B in 2023 to USD 30.62B by 2032.*

AUSTIN, TX, UNITED STATES, February 19, 2025 /EINPresswire.com/ --

According to Research by SNS Insider, The [Portable Analytical Instruments Market](#), valued at USD 15.38 billion in 2023, is projected to more than double to USD 30.62 billion by 2032. This remarkable growth, at a CAGR of 7.98% from 2024 to 2032, is fueled by rapid technological advancements and an increasing demand for agile, on-the-go testing solutions across multiple industries.



“The portable analytical instruments market is growing at a robust rate with an increase in their application in diverse industries. This remarkable growth, at a CAGR of 7.98% from 2024 to 2032, is fueled by rapid technological advancements and an increasing demand for agile, on-the-go testing solutions across multiple industries,” said SNS Insider.

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By-Product: The pH meters segment held a dominant market share in 2023

Due to their widespread application in various industries such as food & beverage, environmental testing, and pharmaceuticals. The demand for precise and rapid pH measurement in applications such as water quality testing, brewing, and chemical analysis has fueled the popularity of pH meters. In 2023, pH meters accounted for a large share of the market due to the growing dependence of industries on handheld devices for regular analysis.

The Dissolved CO2 and O2 meters segment is likely to grow at the fastest rate during the forecast period. The meters play a crucial role in processes like brewing, aquaculture, and environmental monitoring. Increased use of dissolved gas monitoring across various industrial

processes, along with increasing quality control efforts in the food & beverage industry, is likely to boost the demand for these devices. With industries continuing to prioritize enhancing product quality and environmental sustainability, the dissolved CO<sub>2</sub> and O<sub>2</sub> meter market is poised to grow rapidly.

**By Technology:** In 2023, the spectroscopic analysis segment dominated the portable analytical instruments market.

Spectroscopic methods provide high accuracy and consistency, which is essential in areas like chemical analysis, food safety analysis, and environmental monitoring. The market dominated by the segment in 2023 was attributed to the growing demand for precise and rapid analyses, particularly in research and development laboratories. Spectroscopic analysis is highly preferred for its capacity to provide results with little sample preparation, further increasing its usage across industries.

The analysis segment of the elements is forecast to grow fastest in the projection period. It is fueled by innovations in handheld devices that make elemental analysis a real-time experience, which proves especially useful for pharmaceuticals, environmental analysis, and mining. As trace element analysis regulations increase, demand for portable elemental analysis equipment keeps rising, particularly for field testing uses. The growth of miniaturized and cost-effective elemental analyzers is expected to play a key role in fueling the market growth of this segment.

In 2023, the food and beverage industry emerged as the largest end-user of portable analytical instruments.

These tools are becoming more prevalent in food safety analysis, quality assurance, and meeting rigorous food regulations. Being portable, they are perfectly suited for applications across all levels of food manufacturing and processing, allowing for consistency and quality in the products. The food and beverages sector had the largest proportion in 2023 because it is dependent on precise and fast testing for variables such as pH, moisture, and gas composition.

The fastest-growing end-user segment is the pharmaceutical and biotechnology industry. The requirement for real-time analysis during drug development and manufacturing, combined with strict regulations, is pushing demand for portable analytical tools in this industry. Growing investment in biotech breakthroughs and the growing focus on personalized medicine further drive the demand for portable solutions.

#### Key Market Players

- Invacare Corporation (TDX SP2 Power Wheelchair, Rollite Rollator Walker)
- Sunrise Medical (Quickie Q500 M Power Wheelchair, Airgo Comfort-Plus Lightweight Rollator)
- Thermo Fisher Scientific Inc. (Orion Portable pH Meter, Niton XL5 XRF Analyzer)
- Agilent Technologies Inc. (4300 Handheld FTIR Spectrometer, 490 Micro GC Portable Gas Chromatograph)

- Bruker Corporation (Alpha II Portable FTIR Spectrometer, TRACER 5g Handheld XRF Analyzer)
- ABB Group (ACF5000 Portable Gas Analyzer, LS4000 Laser-Based Spectrometer)
- PerkinElmer Inc. (Spectrum Two FTIR Spectrometer, PinAAcle 500 Atomic Absorption Spectrometer)
- Horiba Ltd. (LAQUA Portable Water Quality Meter, PG-300 Series Portable Gas Analyzer)
- Mettler-Toledo International Inc. (Seven2Go Portable pH Meter, Titrator Compact G20)
- Shimadzu Corporation (IRSpirit Portable FTIR Spectrophotometer, GC-2010 Plus Portable Gas Chromatograph)
- Danaher Corporation (HQ Series Portable Meters, DR1900 Portable Spectrophotometer)
- Anton Paar GmbH (DMA 35 Portable Density Meter, RheolabQC Portable Rheometer)
- Hitachi High-Tech Analytical Science (X-MET8000 Portable XRF Analyzer, Vulcan Optics Handheld Laser Spectrometer)
- Eppendorf AG (BioPhotometer D30, Multipette M4 Portable Pipette)
- Roche Diagnostics (Accutrend Plus Portable Meter, Cobas b 123 Blood Gas Analyzer)
- Waters Corporation (ACQUITY UPLC M-Class System, MassTrak Immunosuppressants XE Kit)
- YSI Inc. (ProDSS Multiparameter Water Quality Meter, 9300/9500 Photometers)
- Teledyne Technologies Incorporated (API T300 Portable CO Analyzer, 3010MA Portable Oxygen Analyzer)
- FLIR Systems (GF Series Optical Gas Imaging Camera, Exx-Series Thermal Cameras)
- Analytik Jena AG (Specord 50 PLUS Spectrophotometer, Multi N/C Portable TOC Analyzer)
- Endress+Hauser Group (Liquiline Mobile CML18 Portable Data Logger, Prosonic Flow W 400 Ultrasonic Flowmeter)
- Extech Instruments (PH300 Portable pH Meter, DO700 Portable Dissolved Oxygen Meter)

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Regional Analysis: North America dominated the portable analytical instruments market in 2023

Mainly because of the region's high-tech infrastructure and huge demand for portable analytical instruments across industries. The United States is a dominant force, with heavy investments in research and development, particularly in the pharmaceutical, environmental, and food industries. The region's focus on environmental conservation and food safety regulations further increases the use of portable instruments.

The Asia-Pacific region is the most rapidly expanding portable analytical instruments market. The industrialization process at a rapid pace, combined with stricter environmental and food safety standards, is driving demand for portable analytical solutions. China, India, and Japan are experiencing greater investment in healthcare, manufacturing, and food processing, driving the growth of the market in this region.

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For further insights and customized research on the Portable Analytical Instruments Market, contact @ <https://www.snsinsider.com/enquiry/5548>

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