

# Global Laser-Based Gas Analyzers Market 2023-2029

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## Abstracts

Laser-based gas analyzers work by emitting a laser beam through a gas sample and measuring the absorption of light by the gas molecules. Each gas molecule absorbs light at a specific wavelength, allowing the analyzer to identify and quantify the gas present in the sample. These instruments are used in a variety of industries, including environmental monitoring, industrial process control, and medical research. The global laser-based gas analyzers market is expected to increase by USD 207.0 million, at a compound annual growth rate (CAGR) of 5.83% from 2023 to 2029, according to the latest edition of the Global Laser-Based Gas Analyzers Market Report.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global laser-based gas analyzers market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the process, type, end-user, and region. The global market for laser-based gas analyzers can be segmented by process: in situ, extractive. Among these, the in situ segment was accounted for the highest revenue generator in 2022. Laser-based gas analyzers market is further segmented by type: tunable diode laser spectroscopy, Raman spectroscopy, cavity ring down spectroscopy, quantum cascade laser spectroscopy (QCLS). The tunable diode laser spectroscopy segment is estimated to account for the largest share of the global laser-based gas analyzers market. Based on end-user, the laser-based gas analyzers market is segmented into: power, mining and metal, healthcare, automotive, pulp and paper, oil and gas, chemical, others. The chemical segment held the largest share of the global laser-based gas analyzers market in 2022 and is anticipated to hold its share during the forecast period. On the basis of

region, the laser-based gas analyzers market also can be divided into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. In 2022, Asia-Pacific made up the largest share of revenue generated by the laser-based gas analyzers market.

### Market Segmentation

By process: in situ, extractive

By type: tunable diode laser spectroscopy, Raman spectroscopy, cavity ring down spectroscopy, quantum cascade laser spectroscopy (QCLS)

By end-user: power, mining and metal, healthcare, automotive, pulp and paper, oil and gas, chemical, others

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The market research report covers the analysis of key stake holders of the global laser-based gas analyzers market. Some of the leading players profiled in the report include ABB Ltd., Ametek Land Instruments International, Anton Paar GmbH, Bruker Corporation, Emerson Electric Co., Endress + Hauser AG, Fuji Electric Co., Ltd., Hangzhou Zetian Chunlai Technology Co., Ltd., Horiba Ltd., Mettler Toledo, Nederman Holding AB, Servomex Group Limited, Siemens AG, Yokogawa Electric Corporation, among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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### Scope of the Report

To analyze and forecast the market size of the global laser-based gas analyzers market.

To classify and forecast the global laser-based gas analyzers market based on process, type, end-user, region.

To identify drivers and challenges for the global laser-based gas analyzers market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global laser-based gas analyzers market.

To identify and analyze the profile of leading players operating in the global laser-based gas analyzers market.

### Why Choose This Report

Gain a reliable outlook of the global laser-based gas analyzers market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.  
The market estimate for ease of analysis across scenarios in Excel format.  
Strategy consulting and research support for three months.  
Print authentication provided for the single-user license.

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Latin America

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Anton Paar GmbH  
Bruker Corporation  
Emerson Electric Co.  
Endress + Hauser AG  
Fuji Electric Co., Ltd.  
Hangzhou Zetian Chunlai Technology Co., Ltd.  
Horiba Ltd.  
Mettler Toledo  
Nederman Holding AB  
Servomex Group Limited  
Siemens AG  
Yokogawa Electric Corporation

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