

Global Automation Instrumentation Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Automation Instrumentation market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Automation can be defined as the use of automated machinery and computers for smooth and efficient task execution. Automation can be broadly divided in three types based on output, viz. mass or flow, batch and flexible or job automation. When the design is not flexible and there is high production then it is classified as mass and flow. When the output is moderate and the process is carried out in different batches, it is termed as batch automation. When the production is low and the design varies in accordance with the product specifications, then the classification is termed as flexible or job.

Instrumentation refers to the devices used for the purpose of observation, measurement, control and monitor. Novel automation types have been developed in the recent past which such as information technology (IT), flexible manufacturing systems (FMS), computer-aided manufacturing (CAM), Robots, computer integrated manufacturing (CIM) and Numerically controlled (NC) equipment. IT encompasses computer technologies that are used to create, disseminate, store and retrieve information. CAM uses computers for different functions in production planning and control. NC machines are programmed machine tools that engage in sequential operation execution. Robots are automated equipments that are used to execute several tasks which are normally performed by humans. FMS includes robots, automated material handling tools and numerically controlled tools. In CIM systems many manufacturing functions are linked through an integrated computer network.

Developed markets such as North America and Europe dominated the global market in the recent past and are projected to continue this dominance over the forecast period. Developing markets, which were characterized by large availability of labor, are seeing a shift in trend towards automation across multiple industries. Companies have taken initiatives to cater to the developing markets by shifting their production bases to such areas. Such a trend is presumed to positively impact the regional automation instrumentation market over the forecast period. Economies such as India, China and Brazil are presumed to lead their respective regional markets in the near future.

The Global Info Research report includes an overview of the development of the Automation Instrumentation industry chain, the market status of Chemicals Industry (Pressure Transmitter, Temperature Transmitter), Food & Beverages Industry (Pressure Transmitter, Temperature Transmitter), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automation Instrumentation.

Regionally, the report analyzes the Automation Instrumentation markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automation Instrumentation market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automation Instrumentation market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automation Instrumentation industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Pressure Transmitter, Temperature Transmitter).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges

influencing the Automation Instrumentation market.

Regional Analysis: The report involves examining the Automation Instrumentation market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automation Instrumentation market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automation Instrumentation:

Company Analysis: Report covers individual Automation Instrumentation manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automation Instrumentation. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Chemicals Industry, Food & Beverages Industry).

Technology Analysis: Report covers specific technologies relevant to Automation Instrumentation. It assesses the current state, advancements, and potential future developments in Automation Instrumentation areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automation Instrumentation market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automation Instrumentation market is split by Type and by Application. For the period

2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Pressure Transmitter

Temperature Transmitter

Level and Humidity Transmitter

Market segment by Application

Chemicals Industry

Food & Beverages Industry

Pharmaceuticals Industry

Metals & Mining Industry

Oil & Gas Industry

Major players covered

ABB Ltd

Emerson Electric Company

Honeywell International Inc.

Rockwell Automation

Siemens AG

Schneider Electric SE

Endress+Hauser AG

Hollysys Automation Technologies Ltd

Mitsubishi Electric Corporation

Pepperl+Fuchs GmbH

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automation Instrumentation product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automation Instrumentation, with price, sales, revenue and global market share of Automation Instrumentation from 2019 to 2024.

Chapter 3, the Automation Instrumentation competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automation Instrumentation breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Automation Instrumentation market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automation Instrumentation.

Chapter 14 and 15, to describe Automation Instrumentation sales channel, distributors, customers, research findings and conclusion.

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