

Middle East & Africa Process Instrumentation Market Size and Forecast (2021 - 2031)

<https://marketpublishers.com/r/MD64ED8E8F0BEN.html>

Date: April 2026

Pages: 158

Price: US\$ 3,450.00 (Single User License)

ID: MD64ED8E8F0BEN

Abstracts

The Middle East & Africa Process Instrumentation Market is projected to grow significantly, reaching an estimated US\$ 1,331.8 million by 2031, up from US\$ 970.7 million in 2024. This growth reflects a compound annual growth rate (CAGR) of 4.9% from 2025 to 2031, indicating a robust demand for process instrumentation in the region.

Executive Summary and Market Analysis

The market is divided into key regions, including Saudi Arabia, the UAE, South Africa, and the broader Middle East & Africa (MEA). A notable trend in the region is the shift towards economic diversification, reducing reliance on oil revenues. This transition has prompted various government initiatives and investments aimed at fostering advanced manufacturing capabilities. For instance, in April 2022, Saudi Arabia's Minister of Industry and Mineral Resources, Bandar Al-Khorayef, unveiled the Saudi Advanced Manufacturing Hub (Saudi AMHUB) strategy. This initiative aims to position Saudi Arabia as a leader in global industrial innovation and advanced manufacturing.

Similarly, in October 2021, the Abu Dhabi Department of Economic Development (ADDED) launched a Smart Manufacturing initiative designed to diversify the economy and attract foreign investment. This initiative aligns with the UAE's federal Industry 4.0 strategy, which seeks to enhance the digital capabilities of local manufacturers through partnerships with leading global technology firms. These programs are pivotal in promoting digital transformation, smart manufacturing, and industrial modernization, thereby encouraging businesses to adopt advanced processes.

The transition towards Industry 4.0 is driving the demand for sophisticated

instrumentation, automation, and real-time monitoring systems, which are essential for enhancing productivity and optimizing operations. Governments across the region are investing heavily in infrastructure, automation, and Industry 4.0 technologies to improve production efficiency, reduce operational costs, and enhance global competitiveness. As countries like Saudi Arabia, the UAE, and South Africa focus on high-tech manufacturing, the need for process instrumentation that facilitates real-time monitoring, automation, and predictive maintenance is expected to rise.

Strategic Insights

Market Segmentation Analysis

The Middle East & Africa Process Instrumentation Market is categorized by technology, including Flow Meters, Pressure and Temperature Sensors, Analytical Instruments, and Level Meters. In 2024, Flow Meters held the largest market share. Within the Flow Meter category, the market is further segmented into Mass Flow, Electromagnetic Flow (EMF), Vortex, Ultrasonic, and others, with Ultrasonic Flow Meters leading the market share.

For Level Meters, the segmentation includes High Frequency Radar, Time Domain Reflectometry (TDR), and others, with TDR also holding the largest share in 2024. The market is additionally segmented by application, covering sectors such as Oil and Gas, Energy and Power, Water and Wastewater, Food and Beverage, Marine, Petrochemical, Chemical, and others, where the Chemical sector dominated in 2024.

Market Outlook

The trend towards smart instrumentation is gaining momentum due to its ability to customize solutions and manage large data volumes effectively. Smart instruments, including transmitters, sensors, and actuators, are capable of self-monitoring and providing comprehensive performance analytics. These instruments are crucial for control systems and maintenance teams, as they help prevent device failures by continuously monitoring the health of field instruments. This capability reduces maintenance costs through predictive analytics and enhances the reliability of device measurements.

Smart instruments equipped with features like self-diagnostics and remote monitoring are increasingly favored by manufacturers. They facilitate higher productivity and mitigate project execution risks for Engineering, Procurement, and Construction (EPC)

firms, while also providing a unified source of instrumentation data for plant owners. This integration lowers operational costs and increases process uptime. The incorporation of Industrial Internet of Things (IIoT), machine learning (ML), and artificial intelligence (AI) into instrumentation allows for real-time data analysis, predictive maintenance, and improved process optimization. Companies such as Hexagon are at the forefront of providing smart instrumentation solutions, indicating a growing trend in the market.

Country Insights

The market is further analyzed by country, with Saudi Arabia, the UAE, South Africa, and the Rest of MEA being the primary segments. Saudi Arabia is expected to maintain the largest market share in 2024. The country's Vision 2030 initiative aims to decrease its dependence on oil and expand the private sector. To support this vision, global companies like Endress+Hauser have established calibration and training centers in Saudi Arabia, enhancing local capabilities and offering tailored solutions.

According to the General Authority for Statistics, Saudi Arabia's Industrial Production Index (IPI) saw a year-on-year growth of 1.3% in January 2025, driven by advancements in the manufacturing and waste management sectors. The manufacturing sub-index increased by 4%, attributed to growth in petroleum coke, refined petroleum products, and chemicals. These developments underscore the rising demand for process instrumentation solutions to support the expanding industrial landscape in the country.

Company Profiles

Key players in the Middle East & Africa Process Instrumentation Market include ABB Ltd, Schneider Electric SE, Emerson Electric Co, Honeywell International Inc, Siemens AG, Yokogawa Electric Corp, Fuji Electric Co Ltd, ENDRESS + HAUSER GROUP SERVICES AG, Metso Outotec Corp, and Brooks Instrument. These companies are actively pursuing strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and deliver innovative solutions to their customers.

Contents

1. INTRODUCTION

- 1.1 Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Secondary Research
- 3.2 Primary Research
 - 3.2.1 Hypothesis formulation:
 - 3.2.2 Macroeconomic factor analysis:
 - 3.2.3 Developing base number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country-level data:

4. PROCESS INSTRUMENTATION MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
- 4.4 List of Vendors in the Value Chain

5. MIDDLE EAST & AFRICA PROCESS INSTRUMENTATION MARKET - KEY MARKET DYNAMICS

- 5.1 Market Drivers
- 5.2 Market Restraints
- 5.3 Market Opportunities
- 5.4 Future Trends
- 5.5 Impact of Drivers and Restraints:

6. PROCESS INSTRUMENTATION MARKET - MIDDLE EAST & AFRICA MARKET

ANALYSIS

6.1 Middle East & Africa Process Instrumentation Market Revenue (US\$ Million), 2024 - 2031

6.2 Middle East & Africa Process Instrumentation Market Forecast and Analysis

7. MIDDLE EAST & AFRICA PROCESS INSTRUMENTATION MARKET REVENUE ANALYSIS - BY TECHNOLOGY

7.1 Flow Meter

7.1.1 Overview

7.1.2 Flow Meter: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.2 Pressure and Temperature Sensor

7.2.1 Overview

7.2.2 Pressure and Temperature Sensor: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.3 Analytical Instrument

7.3.1 Overview

7.3.2 Analytical Instrument: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.4 Level Meter

7.4.1 Overview

7.4.2 Level Meter: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10. MIDDLE EAST & AFRICA PROCESS INSTRUMENTATION MARKET REVENUE ANALYSIS - BY APPLICATION

10.1 Oil and Gas

10.1.1 Overview

10.1.2 Oil and Gas: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.2 Energy and Power

10.2.1 Overview

10.2.2 Energy and Power: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.3 Water and Wastewater

10.3.1 Overview

10.3.2 Water and Wastewater: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.4 Food and Beverage

10.4.1 Overview

10.4.2 Food and Beverage: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.5 Marine

10.5.1 Overview

10.5.2 Marine: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.6 Petrochemical

10.6.1 Overview

10.6.2 Petrochemical: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.7 Chemical

10.7.1 Overview

10.7.2 Chemical: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.8 Others

10.8.1 Overview

10.8.2 Others: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

11. MIDDLE EAST & AFRICA PROCESS INSTRUMENTATION MARKET - COUNTRY ANALYSIS

11.1 Middle East & Africa

11.1.1 Middle East & Africa Process Instrumentation Market Revenue and Forecast and Analysis - by Country

11.1.1.1 Middle East & Africa Process Instrumentation Market Revenue and Forecast and Analysis - by Country

11.1.1.2 Saudi Arabia: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

11.1.1.2.1 Saudi Arabia: Middle East & Africa Process Instrumentation Market Share - by Technology

11.1.1.2.2 Saudi Arabia: Middle East & Africa Process Instrumentation Market Share - by Flow Meter

11.1.1.2.3 Saudi Arabia: Middle East & Africa Process Instrumentation Market Share - by Level Meter

11.1.2.2.4 Saudi Arabia: Middle East & Africa Process Instrumentation Market
Share - by Application

11.2.3.3 United Arab Emirates: Middle East & Africa Process Instrumentation Market
- Revenue and Forecast, 2021 - 2031 (US\$ Million)

11.2.3.3.1 United Arab Emirates: Middle East & Africa Process Instrumentation
Market Share - by Technology

11.2.3.3.2 United Arab Emirates: Middle East & Africa Process Instrumentation
Market Share - by Flow Meter

11.2.3.3.3 United Arab Emirates: Middle East & Africa Process Instrumentation
Market Share - by Level Meter

11.2.3.3.4 United Arab Emirates: Middle East & Africa Process Instrumentation
Market Share - by Application

11.3.4.4 South Africa: Middle East & Africa Process Instrumentation Market -
Revenue and Forecast, 2021 - 2031 (US\$ Million)

11.3.4.4.1 South Africa: Middle East & Africa Process Instrumentation Market Share
- by Technology

11.3.4.4.2 South Africa: Middle East & Africa Process Instrumentation Market Share
- by Flow Meter

11.3.4.4.3 South Africa: Middle East & Africa Process Instrumentation Market Share
- by Level Meter

11.3.4.4.4 South Africa: Middle East & Africa Process Instrumentation Market Share
- by Application

11.4.5.5 Rest of Middle East & Africa: Middle East & Africa Process Instrumentation
Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

11.4.5.5.1 Rest of Middle East & Africa: Middle East & Africa Process
Instrumentation Market Share - by Technology

11.4.5.5.2 Rest of Middle East & Africa: Middle East & Africa Process
Instrumentation Market Share - by Flow Meter

11.4.5.5.3 Rest of Middle East & Africa: Middle East & Africa Process
Instrumentation Market Share - by Level Meter

11.4.5.5.4 Rest of Middle East & Africa: Middle East & Africa Process
Instrumentation Market Share - by Application

12 COMPETITIVE LANDSCAPE

12.1 Heat Map Analysis by Key Players

12.2 Company Positioning & Concentration

12.3 Global Company Share Analysis, 2024

13 INDUSTRY LANDSCAPE

- 13.1 Overview
- 13.2 New Product Development
- 13.3 Merger and Acquisition
- 13.4 Other Strategic Developments

14 COMPANY PROFILES

- 14.1 ABB Ltd
 - 14.1.1 Key Facts
 - 14.1.2 Business Description
 - 14.1.3 Products and Services
 - 14.1.4 Financial Overview
 - 14.1.5 SWOT Analysis
 - 14.1.6 Key Developments
- 14.2 Schneider Electric SE
 - 14.2.1 Key Facts
 - 14.2.2 Business Description
 - 14.2.3 Products and Services
 - 14.2.4 Financial Overview
 - 14.2.5 SWOT Analysis
 - 14.2.6 Key Developments
- 14.3 Emerson Electric Co
 - 14.3.1 Key Facts
 - 14.3.2 Business Description
 - 14.3.3 Products and Services
 - 14.3.4 Financial Overview
 - 14.3.5 SWOT Analysis
 - 14.3.6 Key Developments
- 14.4 Honeywell International Inc
 - 14.4.1 Key Facts
 - 14.4.2 Business Description
 - 14.4.3 Products and Services
 - 14.4.4 Financial Overview
 - 14.4.5 SWOT Analysis
 - 14.4.6 Key Developments
- 14.5 Siemens AG
 - 14.5.1 Key Facts

- 14.5.2 Business Description
- 14.5.3 Products and Services
- 14.5.4 Financial Overview
- 14.5.5 SWOT Analysis
- 14.5.6 Key Developments
- 14.6 Yokogawa Electric Corp
 - 14.6.1 Key Facts
 - 14.6.2 Business Description
 - 14.6.3 Products and Services
 - 14.6.4 Financial Overview
 - 14.6.5 SWOT Analysis
 - 14.6.6 Key Developments
- 14.7 Fuji Electric Co Ltd
 - 14.7.1 Key Facts
 - 14.7.2 Business Description
 - 14.7.3 Products and Services
 - 14.7.4 Financial Overview
 - 14.7.5 SWOT Analysis
 - 14.7.6 Key Developments
- 14.8 ENDRESS + HAUSER GROUP SERVICES AG
 - 14.8.1 Key Facts
 - 14.8.2 Business Description
 - 14.8.3 Products and Services
 - 14.8.4 Financial Overview
 - 14.8.5 SWOT Analysis
 - 14.8.6 Key Developments
- 14.9 Metso Outotec Corp
 - 14.9.1 Key Facts
 - 14.9.2 Business Description
 - 14.9.3 Products and Services
 - 14.9.4 Financial Overview
 - 14.9.5 SWOT Analysis
 - 14.9.6 Key Developments
- 14.10 Brooks Instrument
 - 14.10.1 Key Facts
 - 14.10.2 Business Description
 - 14.10.3 Products and Services
 - 14.10.4 Financial Overview
 - 14.10.5 SWOT Analysis

14.10.6 Key Developments

15. APPENDIX

15.1 About The Insight Partners

List Of Tables

LIST OF TABLES

- Table 1. Middle East & Africa Process Instrumentation Market Segmentation
- Table 2. List of Vendors
- Table 3. Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Table 4. Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Technology
- Table 5. Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Flow Meter
- Table 6. Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Level Meter
- Table 7. Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application
- Table 8. Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Country
- Table 9. Saudi Arabia: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Technology
- Table 10. Saudi Arabia: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Flow Meter
- Table 11. Saudi Arabia: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Level Meter
- Table 12. Saudi Arabia: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application
- Table 13. United Arab Emirates: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Technology
- Table 14. United Arab Emirates: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Flow Meter
- Table 15. United Arab Emirates: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Level Meter
- Table 16. United Arab Emirates: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application
- Table 17. South Africa: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Technology
- Table 18. South Africa: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Flow Meter
- Table 19. South Africa: Middle East & Africa Process Instrumentation Market - Revenue

and Forecast, 2021 - 2031 (US\$ Million) - by Level Meter

Table 20. South Africa: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 21. Rest of Middle East & Africa: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Technology

Table 22. Rest of Middle East & Africa: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Flow Meter

Table 23. Rest of Middle East & Africa: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Level Meter

Table 24. Rest of Middle East & Africa: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 25. Heat Map Analysis by Key Players

List Of Figures

LIST OF FIGURES

- Figure 1. Middle East & Africa Process Instrumentation Market Segmentation - Country
- Figure 2. PEST Analysis
- Figure 3. Ecosystem: Process Instrumentation Market
- Figure 4. Middle East & Africa Process Instrumentation Market - Key Market Dynamics
- Figure 5. Impact Analysis of Drivers and Restraints
- Figure 6. Middle East & Africa Process Instrumentation Market Revenue (US\$ Million), 2024 - 2031
- Figure 7. Middle East & Africa Process Instrumentation Market Share (%) - by Technology, 2024 and 2031
- Figure 8. Flow Meter: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 9. Pressure and Temperature Sensor: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 10. Analytical Instrument: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 11. Level Meter: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 12. Middle East & Africa Process Instrumentation Market Share (%) - by Flow Meter, 2024 and 2031
- Figure 13. Mass Flow: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 14. EMF: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 15. Vortex: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 16. Ultrasonic: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 17. Others: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 18. Middle East & Africa Process Instrumentation Market Share (%) - by Level Meter, 2024 and 2031
- Figure 19. High Frequency Radar: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 20. TDR: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 21. Others: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 22. Middle East & Africa Process Instrumentation Market Share (%) - by Application, 2024 and 2031

Figure 23. Oil and Gas: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 24. Energy and Power: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 25. Water and Wastewater: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 26. Food and Beverage: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 27. Marine: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 28. Petrochemical: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 29. Chemical: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 30. Others: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 31. Middle East & Africa Process Instrumentation Market Breakdown by Key Countries, 2024 and 2031 (%)

Figure 32. Saudi Arabia: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 33. United Arab Emirates: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 34. South Africa: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 35. Rest of Middle East & Africa: Middle East & Africa Process Instrumentation Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 36. Company Positioning & Concentration

Figure 37. Global Company Share Analysis, 2024

I would like to order

Product name: Middle East & Africa Process Instrumentation Market Size and Forecast (2021 - 2031)

Product link: <https://marketpublishers.com/r/MD64ED8E8F0BEN.html>

Price: US\$ 3,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/MD64ED8E8F0BEN.html>