

# Global Rod Position Detector Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Rod Position Detector market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

Rod position detector is an equipment used to measure the control rod position in nuclear reactor. Control rods are used in nuclear reactors to control the rate of nuclear reaction and regulate the power generated by the reactor. The rod position detector is an important component of the reactor control system, as it provides real-time feedback on the control rod position. The rod position detector detects the position of the control rod by using a series of sensors. Sensors are typically located at various points along the length of the rod, and they generate electrical signals sent to the control unit. The control unit processes signals and calculates the position of the control rods, which are then displayed on the control panel for operator monitoring. The rod position detector is a key safety component of the nuclear reactor, because it can ensure that the control rod is in the correct position to maintain the safe and stable operation of the reactor. It is designed to operate reliably and accurately under extreme conditions, including high radiation and high temperatures.

This report is a detailed and comprehensive analysis for global Rod Position Detector market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

## Key Features:

Global Rod Position Detector market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Rod Position Detector market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Rod Position Detector market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Rod Position Detector market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Rod Position Detector

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Rod Position Detector market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include AMETEK Factory Automation, Balluff GmbH, Baumer Group, Contrinex AG, Dynapar, Euchner GmbH + Co. KG, FANUC Corporation, Hamar Laser Instruments, Inc., Honeywell International Inc., ifm electronic gmbh, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Rod Position Detector market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Magnetostrictive Rod Position Detector

Fiber Optic Rod Position Detector

Eddy Current Rod Position Detector

#### Market segment by Application

Nuclear Power Plant

Nuclear Waste Storage Facility

Nuclear Fuel Manufacturing Facility

#### Major players covered

AMETEK Factory Automation

Balluff GmbH

Baumer Group

Contrinex AG

Dynapar

Euchner GmbH + Co. KG

FANUC Corporation

Hamar Laser Instruments, Inc.

Honeywell International Inc.

ifm electronic gmbh

Kaman Precision Products

Keyence Corporation

Leuze electronic GmbH + Co. KG

MTS Systems Corporation

Omron Corporation

Pepperl+Fuchs AG

Phoenix Contact GmbH & Co. KG

SICK AG

TURCK GmbH & Co. KG

Vishay Intertechnology, Inc.

Wachendorff Automation GmbH & Co. KG

Zettlex Ltd.

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 Rod Position Detector product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Rod Position Detector, with price, sales quantity, revenue, and global market share of Rod Position Detector from 2020 to 2025.

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

Chapter 4, the Rod Position Detector breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Rod Position Detector market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Rod Position Detector.

Chapter 14 and 15, to describe Rod Position Detector sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Rod Position Detector Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Magnetostrictive Rod Position Detector

1.3.3 Fiber Optic Rod Position Detector

1.3.4 Eddy Current Rod Position Detector

1.4 Market Analysis by Application

1.4.1 Overview: Global Rod Position Detector Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Nuclear Power Plant

1.4.3 Nuclear Waste Storage Facility

1.4.4 Nuclear Fuel Manufacturing Facility

1.5 Global Rod Position Detector Market Size & Forecast

1.5.1 Global Rod Position Detector Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Rod Position Detector Sales Quantity (2020-2031)

1.5.3 Global Rod Position Detector Average Price (2020-2031)

### 2 MANUFACTURERS PROFILES

2.1 AMETEK Factory Automation

2.1.1 AMETEK Factory Automation Details

2.1.2 AMETEK Factory Automation Major Business

2.1.3 AMETEK Factory Automation Rod Position Detector Product and Services

2.1.4 AMETEK Factory Automation Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 AMETEK Factory Automation Recent Developments/Updates

2.2 Balluff GmbH

2.2.1 Balluff GmbH Details

2.2.2 Balluff GmbH Major Business

2.2.3 Balluff GmbH Rod Position Detector Product and Services

2.2.4 Balluff GmbH Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 Balluff GmbH Recent Developments/Updates

## 2.3 Baumer Group

### 2.3.1 Baumer Group Details

### 2.3.2 Baumer Group Major Business

### 2.3.3 Baumer Group Rod Position Detector Product and Services

### 2.3.4 Baumer Group Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.3.5 Baumer Group Recent Developments/Updates

## 2.4 Contrinex AG

### 2.4.1 Contrinex AG Details

### 2.4.2 Contrinex AG Major Business

### 2.4.3 Contrinex AG Rod Position Detector Product and Services

### 2.4.4 Contrinex AG Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.4.5 Contrinex AG Recent Developments/Updates

## 2.5 Dynapar

### 2.5.1 Dynapar Details

### 2.5.2 Dynapar Major Business

### 2.5.3 Dynapar Rod Position Detector Product and Services

### 2.5.4 Dynapar Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.5.5 Dynapar Recent Developments/Updates

## 2.6 Euchner GmbH + Co. KG

### 2.6.1 Euchner GmbH + Co. KG Details

### 2.6.2 Euchner GmbH + Co. KG Major Business

### 2.6.3 Euchner GmbH + Co. KG Rod Position Detector Product and Services

### 2.6.4 Euchner GmbH + Co. KG Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.6.5 Euchner GmbH + Co. KG Recent Developments/Updates

## 2.7 FANUC Corporation

### 2.7.1 FANUC Corporation Details

### 2.7.2 FANUC Corporation Major Business

### 2.7.3 FANUC Corporation Rod Position Detector Product and Services

### 2.7.4 FANUC Corporation Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.7.5 FANUC Corporation Recent Developments/Updates

## 2.8 Hamar Laser Instruments, Inc.

### 2.8.1 Hamar Laser Instruments, Inc. Details

### 2.8.2 Hamar Laser Instruments, Inc. Major Business

### 2.8.3 Hamar Laser Instruments, Inc. Rod Position Detector Product and Services

2.8.4 Hamar Laser Instruments, Inc. Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 Hamar Laser Instruments, Inc. Recent Developments/Updates

2.9 Honeywell International Inc.

2.9.1 Honeywell International Inc. Details

2.9.2 Honeywell International Inc. Major Business

2.9.3 Honeywell International Inc. Rod Position Detector Product and Services

2.9.4 Honeywell International Inc. Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Honeywell International Inc. Recent Developments/Updates

2.10 ifm electronic gmbh

2.10.1 ifm electronic gmbh Details

2.10.2 ifm electronic gmbh Major Business

2.10.3 ifm electronic gmbh Rod Position Detector Product and Services

2.10.4 ifm electronic gmbh Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 ifm electronic gmbh Recent Developments/Updates

2.11 Kaman Precision Products

2.11.1 Kaman Precision Products Details

2.11.2 Kaman Precision Products Major Business

2.11.3 Kaman Precision Products Rod Position Detector Product and Services

2.11.4 Kaman Precision Products Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 Kaman Precision Products Recent Developments/Updates

2.12 Keyence Corporation

2.12.1 Keyence Corporation Details

2.12.2 Keyence Corporation Major Business

2.12.3 Keyence Corporation Rod Position Detector Product and Services

2.12.4 Keyence Corporation Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 Keyence Corporation Recent Developments/Updates

2.13 Leuze electronic GmbH + Co. KG

2.13.1 Leuze electronic GmbH + Co. KG Details

2.13.2 Leuze electronic GmbH + Co. KG Major Business

2.13.3 Leuze electronic GmbH + Co. KG Rod Position Detector Product and Services

2.13.4 Leuze electronic GmbH + Co. KG Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 Leuze electronic GmbH + Co. KG Recent Developments/Updates

2.14 MTS Systems Corporation

- 2.14.1 MTS Systems Corporation Details
- 2.14.2 MTS Systems Corporation Major Business
- 2.14.3 MTS Systems Corporation Rod Position Detector Product and Services
- 2.14.4 MTS Systems Corporation Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.14.5 MTS Systems Corporation Recent Developments/Updates
- 2.15 Omron Corporation
  - 2.15.1 Omron Corporation Details
  - 2.15.2 Omron Corporation Major Business
  - 2.15.3 Omron Corporation Rod Position Detector Product and Services
  - 2.15.4 Omron Corporation Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.15.5 Omron Corporation Recent Developments/Updates
- 2.16 Pepperl+Fuchs AG
  - 2.16.1 Pepperl+Fuchs AG Details
  - 2.16.2 Pepperl+Fuchs AG Major Business
  - 2.16.3 Pepperl+Fuchs AG Rod Position Detector Product and Services
  - 2.16.4 Pepperl+Fuchs AG Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.16.5 Pepperl+Fuchs AG Recent Developments/Updates
- 2.17 Phoenix Contact GmbH & Co. KG
  - 2.17.1 Phoenix Contact GmbH & Co. KG Details
  - 2.17.2 Phoenix Contact GmbH & Co. KG Major Business
  - 2.17.3 Phoenix Contact GmbH & Co. KG Rod Position Detector Product and Services
  - 2.17.4 Phoenix Contact GmbH & Co. KG Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.17.5 Phoenix Contact GmbH & Co. KG Recent Developments/Updates
- 2.18 SICK AG
  - 2.18.1 SICK AG Details
  - 2.18.2 SICK AG Major Business
  - 2.18.3 SICK AG Rod Position Detector Product and Services
  - 2.18.4 SICK AG Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.18.5 SICK AG Recent Developments/Updates
- 2.19 TURCK GmbH & Co. KG
  - 2.19.1 TURCK GmbH & Co. KG Details
  - 2.19.2 TURCK GmbH & Co. KG Major Business
  - 2.19.3 TURCK GmbH & Co. KG Rod Position Detector Product and Services
  - 2.19.4 TURCK GmbH & Co. KG Rod Position Detector Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2020-2025)

2.19.5 TURCK GmbH & Co. KG Recent Developments/Updates

2.20 Vishay Intertechnology, Inc.

2.20.1 Vishay Intertechnology, Inc. Details

2.20.2 Vishay Intertechnology, Inc. Major Business

2.20.3 Vishay Intertechnology, Inc. Rod Position Detector Product and Services

2.20.4 Vishay Intertechnology, Inc. Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.20.5 Vishay Intertechnology, Inc. Recent Developments/Updates

2.21 Wachendorff Automation GmbH & Co. KG

2.21.1 Wachendorff Automation GmbH & Co. KG Details

2.21.2 Wachendorff Automation GmbH & Co. KG Major Business

2.21.3 Wachendorff Automation GmbH & Co. KG Rod Position Detector Product and Services

2.21.4 Wachendorff Automation GmbH & Co. KG Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.21.5 Wachendorff Automation GmbH & Co. KG Recent Developments/Updates

2.22 Zettlex Ltd.

2.22.1 Zettlex Ltd. Details

2.22.2 Zettlex Ltd. Major Business

2.22.3 Zettlex Ltd. Rod Position Detector Product and Services

2.22.4 Zettlex Ltd. Rod Position Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.22.5 Zettlex Ltd. Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: ROD POSITION DETECTOR BY MANUFACTURER**

3.1 Global Rod Position Detector Sales Quantity by Manufacturer (2020-2025)

3.2 Global Rod Position Detector Revenue by Manufacturer (2020-2025)

3.3 Global Rod Position Detector Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Rod Position Detector by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Rod Position Detector Manufacturer Market Share in 2024

3.4.3 Top 6 Rod Position Detector Manufacturer Market Share in 2024

3.5 Rod Position Detector Market: Overall Company Footprint Analysis

3.5.1 Rod Position Detector Market: Region Footprint

3.5.2 Rod Position Detector Market: Company Product Type Footprint

- 3.5.3 Rod Position Detector Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Rod Position Detector Market Size by Region
  - 4.1.1 Global Rod Position Detector Sales Quantity by Region (2020-2031)
  - 4.1.2 Global Rod Position Detector Consumption Value by Region (2020-2031)
  - 4.1.3 Global Rod Position Detector Average Price by Region (2020-2031)
- 4.2 North America Rod Position Detector Consumption Value (2020-2031)
- 4.3 Europe Rod Position Detector Consumption Value (2020-2031)
- 4.4 Asia-Pacific Rod Position Detector Consumption Value (2020-2031)
- 4.5 South America Rod Position Detector Consumption Value (2020-2031)
- 4.6 Middle East & Africa Rod Position Detector Consumption Value (2020-2031)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Rod Position Detector Sales Quantity by Type (2020-2031)
- 5.2 Global Rod Position Detector Consumption Value by Type (2020-2031)
- 5.3 Global Rod Position Detector Average Price by Type (2020-2031)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Rod Position Detector Sales Quantity by Application (2020-2031)
- 6.2 Global Rod Position Detector Consumption Value by Application (2020-2031)
- 6.3 Global Rod Position Detector Average Price by Application (2020-2031)

## **7 NORTH AMERICA**

- 7.1 North America Rod Position Detector Sales Quantity by Type (2020-2031)
- 7.2 North America Rod Position Detector Sales Quantity by Application (2020-2031)
- 7.3 North America Rod Position Detector Market Size by Country
  - 7.3.1 North America Rod Position Detector Sales Quantity by Country (2020-2031)
  - 7.3.2 North America Rod Position Detector Consumption Value by Country (2020-2031)
  - 7.3.3 United States Market Size and Forecast (2020-2031)
  - 7.3.4 Canada Market Size and Forecast (2020-2031)
  - 7.3.5 Mexico Market Size and Forecast (2020-2031)

## **8 EUROPE**

- 8.1 Europe Rod Position Detector Sales Quantity by Type (2020-2031)
- 8.2 Europe Rod Position Detector Sales Quantity by Application (2020-2031)
- 8.3 Europe Rod Position Detector Market Size by Country
  - 8.3.1 Europe Rod Position Detector Sales Quantity by Country (2020-2031)
  - 8.3.2 Europe Rod Position Detector Consumption Value by Country (2020-2031)
  - 8.3.3 Germany Market Size and Forecast (2020-2031)
  - 8.3.4 France Market Size and Forecast (2020-2031)
  - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
  - 8.3.6 Russia Market Size and Forecast (2020-2031)
  - 8.3.7 Italy Market Size and Forecast (2020-2031)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Rod Position Detector Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific Rod Position Detector Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific Rod Position Detector Market Size by Region
  - 9.3.1 Asia-Pacific Rod Position Detector Sales Quantity by Region (2020-2031)
  - 9.3.2 Asia-Pacific Rod Position Detector Consumption Value by Region (2020-2031)
  - 9.3.3 China Market Size and Forecast (2020-2031)
  - 9.3.4 Japan Market Size and Forecast (2020-2031)
  - 9.3.5 South Korea Market Size and Forecast (2020-2031)
  - 9.3.6 India Market Size and Forecast (2020-2031)
  - 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
  - 9.3.8 Australia Market Size and Forecast (2020-2031)

## **10 SOUTH AMERICA**

- 10.1 South America Rod Position Detector Sales Quantity by Type (2020-2031)
- 10.2 South America Rod Position Detector Sales Quantity by Application (2020-2031)
- 10.3 South America Rod Position Detector Market Size by Country
  - 10.3.1 South America Rod Position Detector Sales Quantity by Country (2020-2031)
  - 10.3.2 South America Rod Position Detector Consumption Value by Country (2020-2031)
  - 10.3.3 Brazil Market Size and Forecast (2020-2031)
  - 10.3.4 Argentina Market Size and Forecast (2020-2031)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Rod Position Detector Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Rod Position Detector Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Rod Position Detector Market Size by Country

11.3.1 Middle East & Africa Rod Position Detector Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Rod Position Detector Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

## **12 MARKET DYNAMICS**

12.1 Rod Position Detector Market Drivers

12.2 Rod Position Detector Market Restraints

12.3 Rod Position Detector Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Rod Position Detector and Key Manufacturers

13.2 Manufacturing Costs Percentage of Rod Position Detector

13.3 Rod Position Detector Production Process

13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Rod Position Detector Typical Distributors

14.3 Rod Position Detector Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Rod Position Detector Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Rod Position Detector Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. AMETEK Factory Automation Basic Information, Manufacturing Base and Competitors

Table 4. AMETEK Factory Automation Major Business

Table 5. AMETEK Factory Automation Rod Position Detector Product and Services

Table 6. AMETEK Factory Automation Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. AMETEK Factory Automation Recent Developments/Updates

Table 8. Balluff GmbH Basic Information, Manufacturing Base and Competitors

Table 9. Balluff GmbH Major Business

Table 10. Balluff GmbH Rod Position Detector Product and Services

Table 11. Balluff GmbH Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Balluff GmbH Recent Developments/Updates

Table 13. Baumer Group Basic Information, Manufacturing Base and Competitors

Table 14. Baumer Group Major Business

Table 15. Baumer Group Rod Position Detector Product and Services

Table 16. Baumer Group Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Baumer Group Recent Developments/Updates

Table 18. Contrinex AG Basic Information, Manufacturing Base and Competitors

Table 19. Contrinex AG Major Business

Table 20. Contrinex AG Rod Position Detector Product and Services

Table 21. Contrinex AG Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Contrinex AG Recent Developments/Updates

Table 23. Dynapar Basic Information, Manufacturing Base and Competitors

Table 24. Dynapar Major Business

Table 25. Dynapar Rod Position Detector Product and Services

Table 26. Dynapar Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Dynapar Recent Developments/Updates

Table 28. Euchner GmbH + Co. KG Basic Information, Manufacturing Base and Competitors

Table 29. Euchner GmbH + Co. KG Major Business

Table 30. Euchner GmbH + Co. KG Rod Position Detector Product and Services

Table 31. Euchner GmbH + Co. KG Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Euchner GmbH + Co. KG Recent Developments/Updates

Table 33. FANUC Corporation Basic Information, Manufacturing Base and Competitors

Table 34. FANUC Corporation Major Business

Table 35. FANUC Corporation Rod Position Detector Product and Services

Table 36. FANUC Corporation Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. FANUC Corporation Recent Developments/Updates

Table 38. Hamar Laser Instruments, Inc. Basic Information, Manufacturing Base and Competitors

Table 39. Hamar Laser Instruments, Inc. Major Business

Table 40. Hamar Laser Instruments, Inc. Rod Position Detector Product and Services

Table 41. Hamar Laser Instruments, Inc. Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Hamar Laser Instruments, Inc. Recent Developments/Updates

Table 43. Honeywell International Inc. Basic Information, Manufacturing Base and Competitors

Table 44. Honeywell International Inc. Major Business

Table 45. Honeywell International Inc. Rod Position Detector Product and Services

Table 46. Honeywell International Inc. Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Honeywell International Inc. Recent Developments/Updates

Table 48. ifm electronic gmbh Basic Information, Manufacturing Base and Competitors

Table 49. ifm electronic gmbh Major Business

Table 50. ifm electronic gmbh Rod Position Detector Product and Services

Table 51. ifm electronic gmbh Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. ifm electronic gmbh Recent Developments/Updates

Table 53. Kaman Precision Products Basic Information, Manufacturing Base and Competitors

Table 54. Kaman Precision Products Major Business

Table 55. Kaman Precision Products Rod Position Detector Product and Services

Table 56. Kaman Precision Products Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Kaman Precision Products Recent Developments/Updates

Table 58. Keyence Corporation Basic Information, Manufacturing Base and Competitors

Table 59. Keyence Corporation Major Business

Table 60. Keyence Corporation Rod Position Detector Product and Services

Table 61. Keyence Corporation Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Keyence Corporation Recent Developments/Updates

Table 63. Leuze electronic GmbH + Co. KG Basic Information, Manufacturing Base and Competitors

Table 64. Leuze electronic GmbH + Co. KG Major Business

Table 65. Leuze electronic GmbH + Co. KG Rod Position Detector Product and Services

Table 66. Leuze electronic GmbH + Co. KG Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Leuze electronic GmbH + Co. KG Recent Developments/Updates

Table 68. MTS Systems Corporation Basic Information, Manufacturing Base and Competitors

Table 69. MTS Systems Corporation Major Business

Table 70. MTS Systems Corporation Rod Position Detector Product and Services

Table 71. MTS Systems Corporation Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. MTS Systems Corporation Recent Developments/Updates

Table 73. Omron Corporation Basic Information, Manufacturing Base and Competitors

Table 74. Omron Corporation Major Business

Table 75. Omron Corporation Rod Position Detector Product and Services

Table 76. Omron Corporation Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Omron Corporation Recent Developments/Updates

Table 78. Pepperl+Fuchs AG Basic Information, Manufacturing Base and Competitors

Table 79. Pepperl+Fuchs AG Major Business

Table 80. Pepperl+Fuchs AG Rod Position Detector Product and Services

Table 81. Pepperl+Fuchs AG Rod Position Detector Sales Quantity (Units), Average

- Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 82. Pepperl+Fuchs AG Recent Developments/Updates
- Table 83. Phoenix Contact GmbH & Co. KG Basic Information, Manufacturing Base and Competitors
- Table 84. Phoenix Contact GmbH & Co. KG Major Business
- Table 85. Phoenix Contact GmbH & Co. KG Rod Position Detector Product and Services
- Table 86. Phoenix Contact GmbH & Co. KG Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 87. Phoenix Contact GmbH & Co. KG Recent Developments/Updates
- Table 88. SICK AG Basic Information, Manufacturing Base and Competitors
- Table 89. SICK AG Major Business
- Table 90. SICK AG Rod Position Detector Product and Services
- Table 91. SICK AG Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 92. SICK AG Recent Developments/Updates
- Table 93. TURCK GmbH & Co. KG Basic Information, Manufacturing Base and Competitors
- Table 94. TURCK GmbH & Co. KG Major Business
- Table 95. TURCK GmbH & Co. KG Rod Position Detector Product and Services
- Table 96. TURCK GmbH & Co. KG Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 97. TURCK GmbH & Co. KG Recent Developments/Updates
- Table 98. Vishay Intertechnology, Inc. Basic Information, Manufacturing Base and Competitors
- Table 99. Vishay Intertechnology, Inc. Major Business
- Table 100. Vishay Intertechnology, Inc. Rod Position Detector Product and Services
- Table 101. Vishay Intertechnology, Inc. Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 102. Vishay Intertechnology, Inc. Recent Developments/Updates
- Table 103. Wachendorff Automation GmbH & Co. KG Basic Information, Manufacturing Base and Competitors
- Table 104. Wachendorff Automation GmbH & Co. KG Major Business
- Table 105. Wachendorff Automation GmbH & Co. KG Rod Position Detector Product and Services
- Table 106. Wachendorff Automation GmbH & Co. KG Rod Position Detector Sales

Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 107. Wachendorff Automation GmbH & Co. KG Recent Developments/Updates

Table 108. Zettlex Ltd. Basic Information, Manufacturing Base and Competitors

Table 109. Zettlex Ltd. Major Business

Table 110. Zettlex Ltd. Rod Position Detector Product and Services

Table 111. Zettlex Ltd. Rod Position Detector Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 112. Zettlex Ltd. Recent Developments/Updates

Table 113. Global Rod Position Detector Sales Quantity by Manufacturer (2020-2025) & (Units)

Table 114. Global Rod Position Detector Revenue by Manufacturer (2020-2025) & (USD Million)

Table 115. Global Rod Position Detector Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 116. Market Position of Manufacturers in Rod Position Detector, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 117. Head Office and Rod Position Detector Production Site of Key Manufacturer

Table 118. Rod Position Detector Market: Company Product Type Footprint

Table 119. Rod Position Detector Market: Company Product Application Footprint

Table 120. Rod Position Detector New Market Entrants and Barriers to Market Entry

Table 121. Rod Position Detector Mergers, Acquisition, Agreements, and Collaborations

Table 122. Global Rod Position Detector Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 123. Global Rod Position Detector Sales Quantity by Region (2020-2025) & (Units)

Table 124. Global Rod Position Detector Sales Quantity by Region (2026-2031) & (Units)

Table 125. Global Rod Position Detector Consumption Value by Region (2020-2025) & (USD Million)

Table 126. Global Rod Position Detector Consumption Value by Region (2026-2031) & (USD Million)

Table 127. Global Rod Position Detector Average Price by Region (2020-2025) & (US\$/Unit)

Table 128. Global Rod Position Detector Average Price by Region (2026-2031) & (US\$/Unit)

Table 129. Global Rod Position Detector Sales Quantity by Type (2020-2025) & (Units)

Table 130. Global Rod Position Detector Sales Quantity by Type (2026-2031) & (Units)

Table 131. Global Rod Position Detector Consumption Value by Type (2020-2025) &

(USD Million)

Table 132. Global Rod Position Detector Consumption Value by Type (2026-2031) & (USD Million)

Table 133. Global Rod Position Detector Average Price by Type (2020-2025) & (US\$/Unit)

Table 134. Global Rod Position Detector Average Price by Type (2026-2031) & (US\$/Unit)

Table 135. Global Rod Position Detector Sales Quantity by Application (2020-2025) & (Units)

Table 136. Global Rod Position Detector Sales Quantity by Application (2026-2031) & (Units)

Table 137. Global Rod Position Detector Consumption Value by Application (2020-2025) & (USD Million)

Table 138. Global Rod Position Detector Consumption Value by Application (2026-2031) & (USD Million)

Table 139. Global Rod Position Detector Average Price by Application (2020-2025) & (US\$/Unit)

Table 140. Global Rod Position Detector Average Price by Application (2026-2031) & (US\$/Unit)

Table 141. North America Rod Position Detector Sales Quantity by Type (2020-2025) & (Units)

Table 142. North America Rod Position Detector Sales Quantity by Type (2026-2031) & (Units)

Table 143. North America Rod Position Detector Sales Quantity by Application (2020-2025) & (Units)

Table 144. North America Rod Position Detector Sales Quantity by Application (2026-2031) & (Units)

Table 145. North America Rod Position Detector Sales Quantity by Country (2020-2025) & (Units)

Table 146. North America Rod Position Detector Sales Quantity by Country (2026-2031) & (Units)

Table 147. North America Rod Position Detector Consumption Value by Country (2020-2025) & (USD Million)

Table 148. North America Rod Position Detector Consumption Value by Country (2026-2031) & (USD Million)

Table 149. Europe Rod Position Detector Sales Quantity by Type (2020-2025) & (Units)

Table 150. Europe Rod Position Detector Sales Quantity by Type (2026-2031) & (Units)

Table 151. Europe Rod Position Detector Sales Quantity by Application (2020-2025) & (Units)

Table 152. Europe Rod Position Detector Sales Quantity by Application (2026-2031) & (Units)

Table 153. Europe Rod Position Detector Sales Quantity by Country (2020-2025) & (Units)

Table 154. Europe Rod Position Detector Sales Quantity by Country (2026-2031) & (Units)

Table 155. Europe Rod Position Detector Consumption Value by Country (2020-2025) & (USD Million)

Table 156. Europe Rod Position Detector Consumption Value by Country (2026-2031) & (USD Million)

Table 157. Asia-Pacific Rod Position Detector Sales Quantity by Type (2020-2025) & (Units)

Table 158. Asia-Pacific Rod Position Detector Sales Quantity by Type (2026-2031) & (Units)

Table 159. Asia-Pacific Rod Position Detector Sales Quantity by Application (2020-2025) & (Units)

Table 160. Asia-Pacific Rod Position Detector Sales Quantity by Application (2026-2031) & (Units)

Table 161. Asia-Pacific Rod Position Detector Sales Quantity by Region (2020-2025) & (Units)

Table 162. Asia-Pacific Rod Position Detector Sales Quantity by Region (2026-2031) & (Units)

Table 163. Asia-Pacific Rod Position Detector Consumption Value by Region (2020-2025) & (USD Million)

Table 164. Asia-Pacific Rod Position Detector Consumption Value by Region (2026-2031) & (USD Million)

Table 165. South America Rod Position Detector Sales Quantity by Type (2020-2025) & (Units)

Table 166. South America Rod Position Detector Sales Quantity by Type (2026-2031) & (Units)

Table 167. South America Rod Position Detector Sales Quantity by Application (2020-2025) & (Units)

Table 168. South America Rod Position Detector Sales Quantity by Application (2026-2031) & (Units)

Table 169. South America Rod Position Detector Sales Quantity by Country (2020-2025) & (Units)

Table 170. South America Rod Position Detector Sales Quantity by Country (2026-2031) & (Units)

Table 171. South America Rod Position Detector Consumption Value by Country

(2020-2025) & (USD Million)

Table 172. South America Rod Position Detector Consumption Value by Country

(2026-2031) & (USD Million)

Table 173. Middle East & Africa Rod Position Detector Sales Quantity by Type

(2020-2025) & (Units)

Table 174. Middle East & Africa Rod Position Detector Sales Quantity by Type

(2026-2031) & (Units)

Table 175. Middle East & Africa Rod Position Detector Sales Quantity by Application

(2020-2025) & (Units)

Table 176. Middle East & Africa Rod Position Detector Sales Quantity by Application

(2026-2031) & (Units)

Table 177. Middle East & Africa Rod Position Detector Sales Quantity by Country

(2020-2025) & (Units)

Table 178. Middle East & Africa Rod Position Detector Sales Quantity by Country

(2026-2031) & (Units)

Table 179. Middle East & Africa Rod Position Detector Consumption Value by Country

(2020-2025) & (USD Million)

Table 180. Middle East & Africa Rod Position Detector Consumption Value by Country

(2026-2031) & (USD Million)

Table 181. Rod Position Detector Raw Material

Table 182. Key Manufacturers of Rod Position Detector Raw Materials

Table 183. Rod Position Detector Typical Distributors

Table 184. Rod Position Detector Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Rod Position Detector Picture

Figure 2. Global Rod Position Detector Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Rod Position Detector Revenue Market Share by Type in 2024

Figure 4. Magnetostrictive Rod Position Detector Examples

Figure 5. Fiber Optic Rod Position Detector Examples

Figure 6. Eddy Current Rod Position Detector Examples

Figure 7. Global Rod Position Detector Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 8. Global Rod Position Detector Revenue Market Share by Application in 2024

Figure 9. Nuclear Power Plant Examples

Figure 10. Nuclear Waste Storage Facility Examples

Figure 11. Nuclear Fuel Manufacturing Facility Examples

Figure 12. Global Rod Position Detector Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 13. Global Rod Position Detector Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 14. Global Rod Position Detector Sales Quantity (2020-2031) & (Units)

Figure 15. Global Rod Position Detector Price (2020-2031) & (US\$/Unit)

Figure 16. Global Rod Position Detector Sales Quantity Market Share by Manufacturer in 2024

Figure 17. Global Rod Position Detector Revenue Market Share by Manufacturer in 2024

Figure 18. Producer Shipments of Rod Position Detector by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 19. Top 3 Rod Position Detector Manufacturer (Revenue) Market Share in 2024

Figure 20. Top 6 Rod Position Detector Manufacturer (Revenue) Market Share in 2024

Figure 21. Global Rod Position Detector Sales Quantity Market Share by Region (2020-2031)

Figure 22. Global Rod Position Detector Consumption Value Market Share by Region (2020-2031)

Figure 23. North America Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Rod Position Detector Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Rod Position Detector Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Rod Position Detector Average Price by Type (2020-2031) & (US\$/Unit)

Figure 31. Global Rod Position Detector Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Rod Position Detector Revenue Market Share by Application (2020-2031)

Figure 33. Global Rod Position Detector Average Price by Application (2020-2031) & (US\$/Unit)

Figure 34. North America Rod Position Detector Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Rod Position Detector Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Rod Position Detector Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Rod Position Detector Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Rod Position Detector Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Rod Position Detector Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Rod Position Detector Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Rod Position Detector Consumption Value Market Share by Country

(2020-2031)

Figure 45. Germany Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 46. France Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Rod Position Detector Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Rod Position Detector Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Rod Position Detector Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Rod Position Detector Consumption Value Market Share by Region (2020-2031)

Figure 54. China Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 57. India Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Rod Position Detector Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Rod Position Detector Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America Rod Position Detector Sales Quantity Market Share by Country (2020-2031)

Figure 63. South America Rod Position Detector Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Rod Position Detector Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Rod Position Detector Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Rod Position Detector Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Rod Position Detector Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Rod Position Detector Consumption Value (2020-2031) & (USD Million)

Figure 74. Rod Position Detector Market Drivers

Figure 75. Rod Position Detector Market Restraints

Figure 76. Rod Position Detector Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Rod Position Detector in 2024

Figure 79. Manufacturing Process Analysis of Rod Position Detector

Figure 80. Rod Position Detector Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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