

Global Opposed Mode Photoelectric Sensor Market Growth 2025-2031

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Abstracts

The global Opposed Mode Photoelectric Sensor market size is predicted to grow from US\$ 449 million in 2025 to US\$ 560 million in 2031; it is expected to grow at a CAGR of 3.7% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

An Opposed Mode Photoelectric Sensor is a type of optical sensor system that consists of two separate units: an emitter and a receiver, positioned directly opposite each other. The emitter projects a constant beam of light—usually infrared or visible—toward the receiver. When an object passes between them and interrupts the beam, the receiver detects the absence of light, triggering a change in output. This configuration is highly reliable and offers the longest sensing range and the highest resistance to dirt, dust, and ambient light compared to other photoelectric sensing modes. Opposed mode sensors are widely used in industrial automation for object detection, counting, and safety applications where high-speed and precise detection are essential.

United States market for Opposed Mode Photoelectric Sensor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Opposed Mode Photoelectric Sensor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Opposed Mode Photoelectric Sensor is estimated to increase from

US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Opposed Mode Photoelectric Sensor players cover Pepperl+Fuchs, Leuze electronics, Balluff, IDEC, OMRON, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Opposed Mode Photoelectric Sensor Industry Forecast" looks at past sales and reviews total world Opposed Mode Photoelectric Sensor sales in 2024, providing a comprehensive analysis by region and market sector of projected Opposed Mode Photoelectric Sensor sales for 2025 through 2031. With Opposed Mode Photoelectric Sensor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Opposed Mode Photoelectric Sensor industry.

This Insight Report provides a comprehensive analysis of the global Opposed Mode Photoelectric Sensor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Opposed Mode Photoelectric Sensor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Opposed Mode Photoelectric Sensor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Opposed Mode Photoelectric Sensor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Opposed Mode Photoelectric Sensor.

This report presents a comprehensive overview, market shares, and growth opportunities of Opposed Mode Photoelectric Sensor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Cubic Type

Cylindrical Type

Segmentation by Application:

Industrial Automation

Packaging Industry

Building Safety

Transportation

Medical Equipment

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Pepperl+Fuchs

Leuze electronics

Balluff

IDEC

OMRON

Panasonic

Telemecanique Sensors

SICK

Carlo Gavazzi

Telco Sensors

Datalogic Automation

BANNER

ifm efector

Eaton

Altech

TDK

Proxitron

Zhejiang Hugong Automation Technology

Runic Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Opposed Mode Photoelectric Sensor market?

What factors are driving Opposed Mode Photoelectric Sensor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?
How do Opposed Mode Photoelectric Sensor market opportunities vary by end market size?
How does Opposed Mode Photoelectric Sensor break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Opposed Mode Photoelectric Sensor Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Opposed Mode Photoelectric Sensor by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Opposed Mode Photoelectric Sensor by Country/Region, 2020, 2024 & 2031
- 2.2 Opposed Mode Photoelectric Sensor Segment by Type
 - 2.2.1 Cubic Type
 - 2.2.2 Cylindrical Type
- 2.3 Opposed Mode Photoelectric Sensor Sales by Type
 - 2.3.1 Global Opposed Mode Photoelectric Sensor Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Opposed Mode Photoelectric Sensor Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Opposed Mode Photoelectric Sensor Sale Price by Type (2020-2025)
- 2.4 Opposed Mode Photoelectric Sensor Segment by Application
 - 2.4.1 Industrial Automation
 - 2.4.2 Packaging Industry
 - 2.4.3 Building Safety
 - 2.4.4 Transportation
 - 2.4.5 Medical Equipment
 - 2.4.6 Others
- 2.5 Opposed Mode Photoelectric Sensor Sales by Application
 - 2.5.1 Global Opposed Mode Photoelectric Sensor Sale Market Share by Application

(2020-2025)

2.5.2 Global Opposed Mode Photoelectric Sensor Revenue and Market Share by Application (2020-2025)

2.5.3 Global Opposed Mode Photoelectric Sensor Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Opposed Mode Photoelectric Sensor Breakdown Data by Company

3.1.1 Global Opposed Mode Photoelectric Sensor Annual Sales by Company (2020-2025)

3.1.2 Global Opposed Mode Photoelectric Sensor Sales Market Share by Company (2020-2025)

3.2 Global Opposed Mode Photoelectric Sensor Annual Revenue by Company (2020-2025)

3.2.1 Global Opposed Mode Photoelectric Sensor Revenue by Company (2020-2025)

3.2.2 Global Opposed Mode Photoelectric Sensor Revenue Market Share by Company (2020-2025)

3.3 Global Opposed Mode Photoelectric Sensor Sale Price by Company

3.4 Key Manufacturers Opposed Mode Photoelectric Sensor Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Opposed Mode Photoelectric Sensor Product Location Distribution

3.4.2 Players Opposed Mode Photoelectric Sensor Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR OPPOSED MODE PHOTOELECTRIC SENSOR BY GEOGRAPHIC REGION

4.1 World Historic Opposed Mode Photoelectric Sensor Market Size by Geographic Region (2020-2025)

4.1.1 Global Opposed Mode Photoelectric Sensor Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Opposed Mode Photoelectric Sensor Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Opposed Mode Photoelectric Sensor Market Size by Country/Region (2020-2025)

4.2.1 Global Opposed Mode Photoelectric Sensor Annual Sales by Country/Region (2020-2025)

4.2.2 Global Opposed Mode Photoelectric Sensor Annual Revenue by Country/Region (2020-2025)

4.3 Americas Opposed Mode Photoelectric Sensor Sales Growth

4.4 APAC Opposed Mode Photoelectric Sensor Sales Growth

4.5 Europe Opposed Mode Photoelectric Sensor Sales Growth

4.6 Middle East & Africa Opposed Mode Photoelectric Sensor Sales Growth

5 AMERICAS

5.1 Americas Opposed Mode Photoelectric Sensor Sales by Country

5.1.1 Americas Opposed Mode Photoelectric Sensor Sales by Country (2020-2025)

5.1.2 Americas Opposed Mode Photoelectric Sensor Revenue by Country (2020-2025)

5.2 Americas Opposed Mode Photoelectric Sensor Sales by Type (2020-2025)

5.3 Americas Opposed Mode Photoelectric Sensor Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Opposed Mode Photoelectric Sensor Sales by Region

6.1.1 APAC Opposed Mode Photoelectric Sensor Sales by Region (2020-2025)

6.1.2 APAC Opposed Mode Photoelectric Sensor Revenue by Region (2020-2025)

6.2 APAC Opposed Mode Photoelectric Sensor Sales by Type (2020-2025)

6.3 APAC Opposed Mode Photoelectric Sensor Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Opposed Mode Photoelectric Sensor by Country

7.1.1 Europe Opposed Mode Photoelectric Sensor Sales by Country (2020-2025)

7.1.2 Europe Opposed Mode Photoelectric Sensor Revenue by Country (2020-2025)

7.2 Europe Opposed Mode Photoelectric Sensor Sales by Type (2020-2025)

7.3 Europe Opposed Mode Photoelectric Sensor Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Opposed Mode Photoelectric Sensor by Country

8.1.1 Middle East & Africa Opposed Mode Photoelectric Sensor Sales by Country (2020-2025)

8.1.2 Middle East & Africa Opposed Mode Photoelectric Sensor Revenue by Country (2020-2025)

8.2 Middle East & Africa Opposed Mode Photoelectric Sensor Sales by Type (2020-2025)

8.3 Middle East & Africa Opposed Mode Photoelectric Sensor Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Opposed Mode Photoelectric Sensor

10.3 Manufacturing Process Analysis of Opposed Mode Photoelectric Sensor

10.4 Industry Chain Structure of Opposed Mode Photoelectric Sensor

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Opposed Mode Photoelectric Sensor Distributors

11.3 Opposed Mode Photoelectric Sensor Customer

12 WORLD FORECAST REVIEW FOR OPPOSED MODE PHOTOELECTRIC SENSOR BY GEOGRAPHIC REGION

12.1 Global Opposed Mode Photoelectric Sensor Market Size Forecast by Region

12.1.1 Global Opposed Mode Photoelectric Sensor Forecast by Region (2026-2031)

12.1.2 Global Opposed Mode Photoelectric Sensor Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global Opposed Mode Photoelectric Sensor Forecast by Type (2026-2031)

12.7 Global Opposed Mode Photoelectric Sensor Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 Pepperl+Fuchs

13.1.1 Pepperl+Fuchs Company Information

13.1.2 Pepperl+Fuchs Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.1.3 Pepperl+Fuchs Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 Pepperl+Fuchs Main Business Overview

13.1.5 Pepperl+Fuchs Latest Developments

13.2 Leuze electronics

13.2.1 Leuze electronics Company Information

13.2.2 Leuze electronics Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.2.3 Leuze electronics Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 Leuze electronics Main Business Overview

13.2.5 Leuze electronics Latest Developments

13.3 Balluff

13.3.1 Balluff Company Information

13.3.2 Balluff Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.3.3 Balluff Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Balluff Main Business Overview

13.3.5 Balluff Latest Developments

13.4 IDEC

13.4.1 IDEC Company Information

13.4.2 IDEC Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.4.3 IDEC Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 IDEC Main Business Overview

13.4.5 IDEC Latest Developments

13.5 OMRON

13.5.1 OMRON Company Information

13.5.2 OMRON Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.5.3 OMRON Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 OMRON Main Business Overview

13.5.5 OMRON Latest Developments

13.6 Panasonic

13.6.1 Panasonic Company Information

13.6.2 Panasonic Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.6.3 Panasonic Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Panasonic Main Business Overview

13.6.5 Panasonic Latest Developments

13.7 Telemecanique Sensors

13.7.1 Telemecanique Sensors Company Information

13.7.2 Telemecanique Sensors Opposed Mode Photoelectric Sensor Product

Portfolios and Specifications

13.7.3 Telemecanique Sensors Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 Telemecanique Sensors Main Business Overview

13.7.5 Telemecanique Sensors Latest Developments

13.8 SICK

13.8.1 SICK Company Information

13.8.2 SICK Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.8.3 SICK Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 SICK Main Business Overview

13.8.5 SICK Latest Developments

13.9 Carlo Gavazzi

13.9.1 Carlo Gavazzi Company Information

13.9.2 Carlo Gavazzi Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.9.3 Carlo Gavazzi Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 Carlo Gavazzi Main Business Overview

13.9.5 Carlo Gavazzi Latest Developments

13.10 Telco Sensors

13.10.1 Telco Sensors Company Information

13.10.2 Telco Sensors Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.10.3 Telco Sensors Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.10.4 Telco Sensors Main Business Overview

13.10.5 Telco Sensors Latest Developments

13.11 Datalogic Automation

13.11.1 Datalogic Automation Company Information

13.11.2 Datalogic Automation Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.11.3 Datalogic Automation Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 Datalogic Automation Main Business Overview

13.11.5 Datalogic Automation Latest Developments

13.12 BANNER

13.12.1 BANNER Company Information

13.12.2 BANNER Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.12.3 BANNER Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 BANNER Main Business Overview

13.12.5 BANNER Latest Developments

13.13 ifm efector

13.13.1 ifm efector Company Information

13.13.2 ifm efector Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.13.3 ifm efector Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.13.4 ifm efector Main Business Overview

13.13.5 ifm efector Latest Developments

13.14 Eaton

13.14.1 Eaton Company Information

13.14.2 Eaton Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.14.3 Eaton Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.14.4 Eaton Main Business Overview

13.14.5 Eaton Latest Developments

13.15 Altech

13.15.1 Altech Company Information

13.15.2 Altech Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.15.3 Altech Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.15.4 Altech Main Business Overview

13.15.5 Altech Latest Developments

13.16 TDK

13.16.1 TDK Company Information

13.16.2 TDK Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

13.16.3 TDK Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)

13.16.4 TDK Main Business Overview

13.16.5 TDK Latest Developments

13.17 Proxitron

- 13.17.1 Proxitron Company Information
- 13.17.2 Proxitron Opposed Mode Photoelectric Sensor Product Portfolios and Specifications
- 13.17.3 Proxitron Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.17.4 Proxitron Main Business Overview
- 13.17.5 Proxitron Latest Developments
- 13.18 Zhejiang Hugong Automation Technology
 - 13.18.1 Zhejiang Hugong Automation Technology Company Information
 - 13.18.2 Zhejiang Hugong Automation Technology Opposed Mode Photoelectric Sensor Product Portfolios and Specifications
 - 13.18.3 Zhejiang Hugong Automation Technology Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.18.4 Zhejiang Hugong Automation Technology Main Business Overview
 - 13.18.5 Zhejiang Hugong Automation Technology Latest Developments
- 13.19 Runic Technology
 - 13.19.1 Runic Technology Company Information
 - 13.19.2 Runic Technology Opposed Mode Photoelectric Sensor Product Portfolios and Specifications
 - 13.19.3 Runic Technology Opposed Mode Photoelectric Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.19.4 Runic Technology Main Business Overview
 - 13.19.5 Runic Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Opposed Mode Photoelectric Sensor Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Opposed Mode Photoelectric Sensor Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Cubic Type

Table 4. Major Players of Cylindrical Type

Table 5. Global Opposed Mode Photoelectric Sensor Sales by Type (2020-2025) & (K Units)

Table 6. Global Opposed Mode Photoelectric Sensor Sales Market Share by Type (2020-2025)

Table 7. Global Opposed Mode Photoelectric Sensor Revenue by Type (2020-2025) & (\$ million)

Table 8. Global Opposed Mode Photoelectric Sensor Revenue Market Share by Type (2020-2025)

Table 9. Global Opposed Mode Photoelectric Sensor Sale Price by Type (2020-2025) & (US\$/Unit)

Table 10. Global Opposed Mode Photoelectric Sensor Sale by Application (2020-2025) & (K Units)

Table 11. Global Opposed Mode Photoelectric Sensor Sale Market Share by Application (2020-2025)

Table 12. Global Opposed Mode Photoelectric Sensor Revenue by Application (2020-2025) & (\$ million)

Table 13. Global Opposed Mode Photoelectric Sensor Revenue Market Share by Application (2020-2025)

Table 14. Global Opposed Mode Photoelectric Sensor Sale Price by Application (2020-2025) & (US\$/Unit)

Table 15. Global Opposed Mode Photoelectric Sensor Sales by Company (2020-2025) & (K Units)

Table 16. Global Opposed Mode Photoelectric Sensor Sales Market Share by Company (2020-2025)

Table 17. Global Opposed Mode Photoelectric Sensor Revenue by Company (2020-2025) & (\$ millions)

Table 18. Global Opposed Mode Photoelectric Sensor Revenue Market Share by Company (2020-2025)

Table 19. Global Opposed Mode Photoelectric Sensor Sale Price by Company

(2020-2025) & (US\$/Unit)

Table 20. Key Manufacturers Opposed Mode Photoelectric Sensor Producing Area Distribution and Sales Area

Table 21. Players Opposed Mode Photoelectric Sensor Products Offered

Table 22. Opposed Mode Photoelectric Sensor Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Opposed Mode Photoelectric Sensor Sales by Geographic Region (2020-2025) & (K Units)

Table 26. Global Opposed Mode Photoelectric Sensor Sales Market Share Geographic Region (2020-2025)

Table 27. Global Opposed Mode Photoelectric Sensor Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global Opposed Mode Photoelectric Sensor Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global Opposed Mode Photoelectric Sensor Sales by Country/Region (2020-2025) & (K Units)

Table 30. Global Opposed Mode Photoelectric Sensor Sales Market Share by Country/Region (2020-2025)

Table 31. Global Opposed Mode Photoelectric Sensor Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global Opposed Mode Photoelectric Sensor Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas Opposed Mode Photoelectric Sensor Sales by Country (2020-2025) & (K Units)

Table 34. Americas Opposed Mode Photoelectric Sensor Sales Market Share by Country (2020-2025)

Table 35. Americas Opposed Mode Photoelectric Sensor Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas Opposed Mode Photoelectric Sensor Sales by Type (2020-2025) & (K Units)

Table 37. Americas Opposed Mode Photoelectric Sensor Sales by Application (2020-2025) & (K Units)

Table 38. APAC Opposed Mode Photoelectric Sensor Sales by Region (2020-2025) & (K Units)

Table 39. APAC Opposed Mode Photoelectric Sensor Sales Market Share by Region (2020-2025)

Table 40. APAC Opposed Mode Photoelectric Sensor Revenue by Region (2020-2025)

& (\$ millions)

Table 41. APAC Opposed Mode Photoelectric Sensor Sales by Type (2020-2025) & (K Units)

Table 42. APAC Opposed Mode Photoelectric Sensor Sales by Application (2020-2025) & (K Units)

Table 43. Europe Opposed Mode Photoelectric Sensor Sales by Country (2020-2025) & (K Units)

Table 44. Europe Opposed Mode Photoelectric Sensor Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe Opposed Mode Photoelectric Sensor Sales by Type (2020-2025) & (K Units)

Table 46. Europe Opposed Mode Photoelectric Sensor Sales by Application (2020-2025) & (K Units)

Table 47. Middle East & Africa Opposed Mode Photoelectric Sensor Sales by Country (2020-2025) & (K Units)

Table 48. Middle East & Africa Opposed Mode Photoelectric Sensor Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa Opposed Mode Photoelectric Sensor Sales by Type (2020-2025) & (K Units)

Table 50. Middle East & Africa Opposed Mode Photoelectric Sensor Sales by Application (2020-2025) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of Opposed Mode Photoelectric Sensor

Table 52. Key Market Challenges & Risks of Opposed Mode Photoelectric Sensor

Table 53. Key Industry Trends of Opposed Mode Photoelectric Sensor

Table 54. Opposed Mode Photoelectric Sensor Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Opposed Mode Photoelectric Sensor Distributors List

Table 57. Opposed Mode Photoelectric Sensor Customer List

Table 58. Global Opposed Mode Photoelectric Sensor Sales Forecast by Region (2026-2031) & (K Units)

Table 59. Global Opposed Mode Photoelectric Sensor Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 60. Americas Opposed Mode Photoelectric Sensor Sales Forecast by Country (2026-2031) & (K Units)

Table 61. Americas Opposed Mode Photoelectric Sensor Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 62. APAC Opposed Mode Photoelectric Sensor Sales Forecast by Region (2026-2031) & (K Units)

Table 63. APAC Opposed Mode Photoelectric Sensor Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 64. Europe Opposed Mode Photoelectric Sensor Sales Forecast by Country (2026-2031) & (K Units)

Table 65. Europe Opposed Mode Photoelectric Sensor Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 66. Middle East & Africa Opposed Mode Photoelectric Sensor Sales Forecast by Country (2026-2031) & (K Units)

Table 67. Middle East & Africa Opposed Mode Photoelectric Sensor Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Global Opposed Mode Photoelectric Sensor Sales Forecast by Type (2026-2031) & (K Units)

Table 69. Global Opposed Mode Photoelectric Sensor Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 70. Global Opposed Mode Photoelectric Sensor Sales Forecast by Application (2026-2031) & (K Units)

Table 71. Global Opposed Mode Photoelectric Sensor Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 72. Pepperl+Fuchs Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 73. Pepperl+Fuchs Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 74. Pepperl+Fuchs Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 75. Pepperl+Fuchs Main Business

Table 76. Pepperl+Fuchs Latest Developments

Table 77. Leuze electronics Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 78. Leuze electronics Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 79. Leuze electronics Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 80. Leuze electronics Main Business

Table 81. Leuze electronics Latest Developments

Table 82. Balluff Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 83. Balluff Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 84. Balluff Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$

Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 85. Balluff Main Business

Table 86. Balluff Latest Developments

Table 87. IDEC Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 88. IDEC Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 89. IDEC Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 90. IDEC Main Business

Table 91. IDEC Latest Developments

Table 92. OMRON Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 93. OMRON Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 94. OMRON Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 95. OMRON Main Business

Table 96. OMRON Latest Developments

Table 97. Panasonic Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 98. Panasonic Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 99. Panasonic Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 100. Panasonic Main Business

Table 101. Panasonic Latest Developments

Table 102. Telemecanique Sensors Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 103. Telemecanique Sensors Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 104. Telemecanique Sensors Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 105. Telemecanique Sensors Main Business

Table 106. Telemecanique Sensors Latest Developments

Table 107. SICK Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 108. SICK Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 109. SICK Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 110. SICK Main Business

Table 111. SICK Latest Developments

Table 112. Carlo Gavazzi Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 113. Carlo Gavazzi Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 114. Carlo Gavazzi Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 115. Carlo Gavazzi Main Business

Table 116. Carlo Gavazzi Latest Developments

Table 117. Telco Sensors Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 118. Telco Sensors Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 119. Telco Sensors Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 120. Telco Sensors Main Business

Table 121. Telco Sensors Latest Developments

Table 122. Datalogic Automation Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 123. Datalogic Automation Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 124. Datalogic Automation Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 125. Datalogic Automation Main Business

Table 126. Datalogic Automation Latest Developments

Table 127. BANNER Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 128. BANNER Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 129. BANNER Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 130. BANNER Main Business

Table 131. BANNER Latest Developments

Table 132. ifm efector Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 133. ifm efector Opposed Mode Photoelectric Sensor Product Portfolios and

Specifications

Table 134. ifm efector Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 135. ifm efector Main Business

Table 136. ifm efector Latest Developments

Table 137. Eaton Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 138. Eaton Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 139. Eaton Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 140. Eaton Main Business

Table 141. Eaton Latest Developments

Table 142. Altech Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 143. Altech Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 144. Altech Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 145. Altech Main Business

Table 146. Altech Latest Developments

Table 147. TDK Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 148. TDK Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 149. TDK Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 150. TDK Main Business

Table 151. TDK Latest Developments

Table 152. Proxitron Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 153. Proxitron Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 154. Proxitron Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 155. Proxitron Main Business

Table 156. Proxitron Latest Developments

Table 157. Zhejiang Hugong Automation Technology Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 158. Zhejiang Hugong Automation Technology Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 159. Zhejiang Hugong Automation Technology Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 160. Zhejiang Hugong Automation Technology Main Business

Table 161. Zhejiang Hugong Automation Technology Latest Developments

Table 162. Runic Technology Basic Information, Opposed Mode Photoelectric Sensor Manufacturing Base, Sales Area and Its Competitors

Table 163. Runic Technology Opposed Mode Photoelectric Sensor Product Portfolios and Specifications

Table 164. Runic Technology Opposed Mode Photoelectric Sensor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 165. Runic Technology Main Business

Table 166. Runic Technology Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Opposed Mode Photoelectric Sensor
- Figure 2. Opposed Mode Photoelectric Sensor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Opposed Mode Photoelectric Sensor Sales Growth Rate 2020-2031 (K Units)
- Figure 7. Global Opposed Mode Photoelectric Sensor Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Opposed Mode Photoelectric Sensor Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Opposed Mode Photoelectric Sensor Sales Market Share by Country/Region (2024)
- Figure 10. Opposed Mode Photoelectric Sensor Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Cubic Type
- Figure 12. Product Picture of Cylindrical Type
- Figure 13. Global Opposed Mode Photoelectric Sensor Sales Market Share by Type in 2025
- Figure 14. Global Opposed Mode Photoelectric Sensor Revenue Market Share by Type (2020-2025)
- Figure 15. Opposed Mode Photoelectric Sensor Consumed in Industrial Automation
- Figure 16. Global Opposed Mode Photoelectric Sensor Market: Industrial Automation (2020-2025) & (K Units)
- Figure 17. Opposed Mode Photoelectric Sensor Consumed in Packaging Industry
- Figure 18. Global Opposed Mode Photoelectric Sensor Market: Packaging Industry (2020-2025) & (K Units)
- Figure 19. Opposed Mode Photoelectric Sensor Consumed in Building Safety
- Figure 20. Global Opposed Mode Photoelectric Sensor Market: Building Safety (2020-2025) & (K Units)
- Figure 21. Opposed Mode Photoelectric Sensor Consumed in Transportation
- Figure 22. Global Opposed Mode Photoelectric Sensor Market: Transportation (2020-2025) & (K Units)
- Figure 23. Opposed Mode Photoelectric Sensor Consumed in Medical Equipment
- Figure 24. Global Opposed Mode Photoelectric Sensor Market: Medical Equipment

(2020-2025) & (K Units)

Figure 25. Opposed Mode Photoelectric Sensor Consumed in Others

Figure 26. Global Opposed Mode Photoelectric Sensor Market: Others (2020-2025) & (K Units)

Figure 27. Global Opposed Mode Photoelectric Sensor Sale Market Share by Application (2024)

Figure 28. Global Opposed Mode Photoelectric Sensor Revenue Market Share by Application in 2025

Figure 29. Opposed Mode Photoelectric Sensor Sales by Company in 2025 (K Units)

Figure 30. Global Opposed Mode Photoelectric Sensor Sales Market Share by Company in 2025

Figure 31. Opposed Mode Photoelectric Sensor Revenue by Company in 2025 (\$ millions)

Figure 32. Global Opposed Mode Photoelectric Sensor Revenue Market Share by Company in 2025

Figure 33. Global Opposed Mode Photoelectric Sensor Sales Market Share by Geographic Region (2020-2025)

Figure 34. Global Opposed Mode Photoelectric Sensor Revenue Market Share by Geographic Region in 2025

Figure 35. Americas Opposed Mode Photoelectric Sensor Sales 2020-2025 (K Units)

Figure 36. Americas Opposed Mode Photoelectric Sensor Revenue 2020-2025 (\$ millions)

Figure 37. APAC Opposed Mode Photoelectric Sensor Sales 2020-2025 (K Units)

Figure 38. APAC Opposed Mode Photoelectric Sensor Revenue 2020-2025 (\$ millions)

Figure 39. Europe Opposed Mode Photoelectric Sensor Sales 2020-2025 (K Units)

Figure 40. Europe Opposed Mode Photoelectric Sensor Revenue 2020-2025 (\$ millions)

Figure 41. Middle East & Africa Opposed Mode Photoelectric Sensor Sales 2020-2025 (K Units)

Figure 42. Middle East & Africa Opposed Mode Photoelectric Sensor Revenue 2020-2025 (\$ millions)

Figure 43. Americas Opposed Mode Photoelectric Sensor Sales Market Share by Country in 2025

Figure 44. Americas Opposed Mode Photoelectric Sensor Revenue Market Share by Country (2020-2025)

Figure 45. Americas Opposed Mode Photoelectric Sensor Sales Market Share by Type (2020-2025)

Figure 46. Americas Opposed Mode Photoelectric Sensor Sales Market Share by Application (2020-2025)

Figure 47. United States Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 48. Canada Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 49. Mexico Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 50. Brazil Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 51. APAC Opposed Mode Photoelectric Sensor Sales Market Share by Region in 2025

Figure 52. APAC Opposed Mode Photoelectric Sensor Revenue Market Share by Region (2020-2025)

Figure 53. APAC Opposed Mode Photoelectric Sensor Sales Market Share by Type (2020-2025)

Figure 54. APAC Opposed Mode Photoelectric Sensor Sales Market Share by Application (2020-2025)

Figure 55. China Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 56. Japan Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 57. South Korea Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 58. Southeast Asia Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 59. India Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 60. Australia Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 61. China Taiwan Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 62. Europe Opposed Mode Photoelectric Sensor Sales Market Share by Country in 2025

Figure 63. Europe Opposed Mode Photoelectric Sensor Revenue Market Share by Country (2020-2025)

Figure 64. Europe Opposed Mode Photoelectric Sensor Sales Market Share by Type (2020-2025)

Figure 65. Europe Opposed Mode Photoelectric Sensor Sales Market Share by Application (2020-2025)

Figure 66. Germany Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025

(\$ millions)

Figure 67. France Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 68. UK Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 69. Italy Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 70. Russia Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 71. Middle East & Africa Opposed Mode Photoelectric Sensor Sales Market Share by Country (2020-2025)

Figure 72. Middle East & Africa Opposed Mode Photoelectric Sensor Sales Market Share by Type (2020-2025)

Figure 73. Middle East & Africa Opposed Mode Photoelectric Sensor Sales Market Share by Application (2020-2025)

Figure 74. Egypt Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 75. South Africa Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 76. Israel Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 77. Turkey Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 78. GCC Countries Opposed Mode Photoelectric Sensor Revenue Growth 2020-2025 (\$ millions)

Figure 79. Manufacturing Cost Structure Analysis of Opposed Mode Photoelectric Sensor in 2025

Figure 80. Manufacturing Process Analysis of Opposed Mode Photoelectric Sensor

Figure 81. Industry Chain Structure of Opposed Mode Photoelectric Sensor

Figure 82. Channels of Distribution

Figure 83. Global Opposed Mode Photoelectric Sensor Sales Market Forecast by Region (2026-2031)

Figure 84. Global Opposed Mode Photoelectric Sensor Revenue Market Share Forecast by Region (2026-2031)

Figure 85. Global Opposed Mode Photoelectric Sensor Sales Market Share Forecast by Type (2026-2031)

Figure 86. Global Opposed Mode Photoelectric Sensor Revenue Market Share Forecast by Type (2026-2031)

Figure 87. Global Opposed Mode Photoelectric Sensor Sales Market Share Forecast by

Application (2026-2031)

Figure 88. Global Opposed Mode Photoelectric Sensor Revenue Market Share
Forecast by Application (2026-2031)

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