

Global FBG Sensor Market Research Report 2025(Status and Outlook)

<https://marketpublishers.com/r/G8B0DC8CDADCEN.html>

Date: March 2025

Pages: 168

Price: US\$ 3,200.00 (Single User License)

ID: G8B0DC8CDADCEN

Abstracts

Report Overview

Fiber Bragg Grating (FBG) sensors are optical sensors that use a type of optical fiber with a periodic variation in its core refractive index along its length. These sensors are capable of measuring various parameters such as strain, temperature, pressure, and vibration by detecting changes in the wavelength of light reflected from the grating. FBG sensors are known for their high sensitivity, accuracy, reliability, and immunity to electromagnetic interference, making them ideal for applications in structural health monitoring, aerospace, oil and gas, and healthcare industries.

The market for FBG sensors is experiencing significant growth driven by increasing demand for real-time and accurate monitoring solutions across various industries. The rising adoption of FBG sensors in structural health monitoring applications to ensure the safety and integrity of critical infrastructure such as bridges, pipelines, and buildings is a key market driver. Additionally, the growing use of FBG sensors in the aerospace and automotive industries for structural health monitoring, condition-based maintenance, and performance optimization is further fueling market growth. Moreover, advancements in sensor technology, such as the development of multiplexed FBG sensor arrays and enhanced signal processing techniques, are expanding the capabilities and applications of FBG sensors, driving market expansion.

This report provides a deep insight into the global FBG Sensor market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global FBG Sensor Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the FBG Sensor market in any manner.

Global FBG Sensor Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Rockwell Automation

LUNA (Micron Optics)

Proximion AB

HBM FiberSensing

ITF Technologies Inc

NKT Photonics

FISO Technologies

Omron

FBGS Technologies

Keyence

Omnisens

WUTOS

Bandweaver

Smart Fibres Limited

Sensornet

Market Segmentation (by Type)

Point FPG

Distributed FPG

Market Segmentation (by Application)

Civil Engineering

Transportation

Energy & Utility

Military

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the FBG Sensor Market

Overview of the regional outlook of the FBG Sensor Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the FBG Sensor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development

potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of FBG Sensor

1.2 Key Market Segments

1.2.1 FBG Sensor Segment by Type

1.2.2 FBG Sensor Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 FBG SENSOR MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global FBG Sensor Market Size (M USD) Estimates and Forecasts (2020-2033)

2.1.2 Global FBG Sensor Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 FBG SENSOR MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global FBG Sensor Product Life Cycle

3.3 Global FBG Sensor Sales by Manufacturers (2020-2025)

3.4 Global FBG Sensor Revenue Market Share by Manufacturers (2020-2025)

3.5 FBG Sensor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global FBG Sensor Average Price by Manufacturers (2020-2025)

3.7 Manufacturers FBG Sensor Manufacturing Sites, Area Served, Product Type

3.8 FBG Sensor Market Competitive Situation and Trends

3.8.1 FBG Sensor Market Concentration Rate

3.8.2 Global 5 and 10 Largest FBG Sensor Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 FBG SENSOR INDUSTRY CHAIN ANALYSIS

- 4.1 FBG Sensor Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF FBG SENSOR MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global FBG Sensor Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 Global Trade Frictions and Their Impacts to FBG Sensor Market
- 5.7 ESG Ratings of Leading Companies

6 FBG SENSOR MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global FBG Sensor Sales Market Share by Type (2020-2025)
- 6.3 Global FBG Sensor Market Size Market Share by Type (2020-2025)
- 6.4 Global FBG Sensor Price by Type (2020-2025)

7 FBG SENSOR MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global FBG Sensor Market Sales by Application (2020-2025)
- 7.3 Global FBG Sensor Market Size (M USD) by Application (2020-2025)
- 7.4 Global FBG Sensor Sales Growth Rate by Application (2020-2025)

8 FBG SENSOR MARKET SALES BY REGION

8.1 Global FBG Sensor Sales by Region

8.1.1 Global FBG Sensor Sales by Region

8.1.2 Global FBG Sensor Sales Market Share by Region

8.2 Global FBG Sensor Market Size by Region

8.2.1 Global FBG Sensor Market Size by Region

8.2.2 Global FBG Sensor Market Size Market Share by Region

8.3 North America

8.3.1 North America FBG Sensor Sales by Country

8.3.2 North America FBG Sensor Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe FBG Sensor Sales by Country

8.4.2 Europe FBG Sensor Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific FBG Sensor Sales by Region

8.5.2 Asia Pacific FBG Sensor Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America FBG Sensor Sales by Country

8.6.2 South America FBG Sensor Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa FBG Sensor Sales by Region

8.7.2 Middle East and Africa FBG Sensor Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 FBG SENSOR MARKET PRODUCTION BY REGION

9.1 Global Production of FBG Sensor by Region(2020-2025)

9.2 Global FBG Sensor Revenue Market Share by Region (2020-2025)

9.3 Global FBG Sensor Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America FBG Sensor Production

9.4.1 North America FBG Sensor Production Growth Rate (2020-2025)

9.4.2 North America FBG Sensor Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe FBG Sensor Production

9.5.1 Europe FBG Sensor Production Growth Rate (2020-2025)

9.5.2 Europe FBG Sensor Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan FBG Sensor Production (2020-2025)

9.6.1 Japan FBG Sensor Production Growth Rate (2020-2025)

9.6.2 Japan FBG Sensor Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China FBG Sensor Production (2020-2025)

9.7.1 China FBG Sensor Production Growth Rate (2020-2025)

9.7.2 China FBG Sensor Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Rockwell Automation

10.1.1 Rockwell Automation Basic Information

10.1.2 Rockwell Automation FBG Sensor Product Overview

10.1.3 Rockwell Automation FBG Sensor Product Market Performance

10.1.4 Rockwell Automation Business Overview

10.1.5 Rockwell Automation SWOT Analysis

10.1.6 Rockwell Automation Recent Developments

10.2 LUNA (Micron Optics)

10.2.1 LUNA (Micron Optics) Basic Information

10.2.2 LUNA (Micron Optics) FBG Sensor Product Overview

10.2.3 LUNA (Micron Optics) FBG Sensor Product Market Performance

10.2.4 LUNA (Micron Optics) Business Overview

- 10.2.5 LUNA (Micron Optics) SWOT Analysis
- 10.2.6 LUNA (Micron Optics) Recent Developments
- 10.3 Proximion AB
 - 10.3.1 Proximion AB Basic Information
 - 10.3.2 Proximion AB FBG Sensor Product Overview
 - 10.3.3 Proximion AB FBG Sensor Product Market Performance
 - 10.3.4 Proximion AB Business Overview
 - 10.3.5 Proximion AB SWOT Analysis
 - 10.3.6 Proximion AB Recent Developments
- 10.4 HBM FiberSensing
 - 10.4.1 HBM FiberSensing Basic Information
 - 10.4.2 HBM FiberSensing FBG Sensor Product Overview
 - 10.4.3 HBM FiberSensing FBG Sensor Product Market Performance
 - 10.4.4 HBM FiberSensing Business Overview
 - 10.4.5 HBM FiberSensing Recent Developments
- 10.5 ITF Technologies Inc
 - 10.5.1 ITF Technologies Inc Basic Information
 - 10.5.2 ITF Technologies Inc FBG Sensor Product Overview
 - 10.5.3 ITF Technologies Inc FBG Sensor Product Market Performance
 - 10.5.4 ITF Technologies Inc Business Overview
 - 10.5.5 ITF Technologies Inc Recent Developments
- 10.6 NKT Photonics
 - 10.6.1 NKT Photonics Basic Information
 - 10.6.2 NKT Photonics FBG Sensor Product Overview
 - 10.6.3 NKT Photonics FBG Sensor Product Market Performance
 - 10.6.4 NKT Photonics Business Overview
 - 10.6.5 NKT Photonics Recent Developments
- 10.7 FISO Technologies
 - 10.7.1 FISO Technologies Basic Information
 - 10.7.2 FISO Technologies FBG Sensor Product Overview
 - 10.7.3 FISO Technologies FBG Sensor Product Market Performance
 - 10.7.4 FISO Technologies Business Overview
 - 10.7.5 FISO Technologies Recent Developments
- 10.8 Omron
 - 10.8.1 Omron Basic Information
 - 10.8.2 Omron FBG Sensor Product Overview
 - 10.8.3 Omron FBG Sensor Product Market Performance
 - 10.8.4 Omron Business Overview
 - 10.8.5 Omron Recent Developments

10.9 FBGS Technologies

10.9.1 FBGS Technologies Basic Information

10.9.2 FBGS Technologies FBG Sensor Product Overview

10.9.3 FBGS Technologies FBG Sensor Product Market Performance

10.9.4 FBGS Technologies Business Overview

10.9.5 FBGS Technologies Recent Developments

10.10 Keyence

10.10.1 Keyence Basic Information

10.10.2 Keyence FBG Sensor Product Overview

10.10.3 Keyence FBG Sensor Product Market Performance

10.10.4 Keyence Business Overview

10.10.5 Keyence Recent Developments

10.11 Omnisens

10.11.1 Omnisens Basic Information

10.11.2 Omnisens FBG Sensor Product Overview

10.11.3 Omnisens FBG Sensor Product Market Performance

10.11.4 Omnisens Business Overview

10.11.5 Omnisens Recent Developments

10.12 WUTOS

10.12.1 WUTOS Basic Information

10.12.2 WUTOS FBG Sensor Product Overview

10.12.3 WUTOS FBG Sensor Product Market Performance

10.12.4 WUTOS Business Overview

10.12.5 WUTOS Recent Developments

10.13 Bandweaver

10.13.1 Bandweaver Basic Information

10.13.2 Bandweaver FBG Sensor Product Overview

10.13.3 Bandweaver FBG Sensor Product Market Performance

10.13.4 Bandweaver Business Overview

10.13.5 Bandweaver Recent Developments

10.14 Smart Fibres Limited

10.14.1 Smart Fibres Limited Basic Information

10.14.2 Smart Fibres Limited FBG Sensor Product Overview

10.14.3 Smart Fibres Limited FBG Sensor Product Market Performance

10.14.4 Smart Fibres Limited Business Overview

10.14.5 Smart Fibres Limited Recent Developments

10.15 Sensornet

10.15.1 Sensornet Basic Information

10.15.2 Sensornet FBG Sensor Product Overview

10.15.3 Sensornet FBG Sensor Product Market Performance

10.15.4 Sensornet Business Overview

10.15.5 Sensornet Recent Developments

11 FBG SENSOR MARKET FORECAST BY REGION

11.1 Global FBG Sensor Market Size Forecast

11.2 Global FBG Sensor Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe FBG Sensor Market Size Forecast by Country

11.2.3 Asia Pacific FBG Sensor Market Size Forecast by Region

11.2.4 South America FBG Sensor Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of FBG Sensor by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

12.1 Global FBG Sensor Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of FBG Sensor by Type (2026-2033)

12.1.2 Global FBG Sensor Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of FBG Sensor by Type (2026-2033)

12.2 Global FBG Sensor Market Forecast by Application (2026-2033)

12.2.1 Global FBG Sensor Sales (K Units) Forecast by Application

12.2.2 Global FBG Sensor Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List of Tables

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. FBG Sensor Market Size Comparison by Region (M USD)

Table 5. Global FBG Sensor Sales (K Units) by Manufacturers (2020-2025)

Table 6. Global FBG Sensor Sales Market Share by Manufacturers (2020-2025)

Table 7. Global FBG Sensor Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global FBG Sensor Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in FBG Sensor as of 2024)

Table 10. Global Market FBG Sensor Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 11. Manufacturers FBG Sensor Manufacturing Sites and Area Served

Table 12. Manufacturers FBG Sensor Product Type
Table 13. Global FBG Sensor Manufacturers Market Concentration Ratio (CR5 and HHI)
Table 14. Mergers & Acquisitions, Expansion Plans
Table 15. Market Overview of Key Raw Materials
Table 16. Midstream Market Analysis
Table 17. Downstream Customer Analysis
Table 18. Key Development Trends
Table 19. Driving Factors
Table 20. FBG Sensor Market Challenges
Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026
Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027
Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026
Table 24. Global FBG Sensor Sales by Type (K Units)
Table 25. Global FBG Sensor Market Size by Type (M USD)
Table 26. Global FBG Sensor Sales (K Units) by Type (2020-2025)
Table 27. Global FBG Sensor Sales Market Share by Type (2020-2025)
Table 28. Global FBG Sensor Market Size (M USD) by Type (2020-2025)
Table 29. Global FBG Sensor Market Size Share by Type (2020-2025)
Table 30. Global FBG Sensor Price (USD/Unit) by Type (2020-2025)
Table 31. Global FBG Sensor Sales (K Units) by Application
Table 32. Global FBG Sensor Market Size by Application
Table 33. Global FBG Sensor Sales by Application (2020-2025) & (K Units)
Table 34. Global FBG Sensor Sales Market Share by Application (2020-2025)
Table 35. Global FBG Sensor Market Size by Application (2020-2025) & (M USD)
Table 36. Global FBG Sensor Market Share by Application (2020-2025)
Table 37. Global FBG Sensor Sales Growth Rate by Application (2020-2025)
Table 38. Global FBG Sensor Sales by Region (2020-2025) & (K Units)
Table 39. Global FBG Sensor Sales Market Share by Region (2020-2025)
Table 40. Global FBG Sensor Market Size by Region (2020-2025) & (M USD)
Table 41. Global FBG Sensor Market Size Market Share by Region (2020-2025)
Table 42. North America FBG Sensor Sales by Country (2020-2025) & (K Units)
Table 43. North America FBG Sensor Market Size by Country (2020-2025) & (M USD)
Table 44. Europe FBG Sensor Sales by Country (2020-2025) & (K Units)
Table 45. Europe FBG Sensor Market Size by Country (2020-2025) & (M USD)
Table 46. Asia Pacific FBG Sensor Sales by Region (2020-2025) & (K Units)
Table 47. Asia Pacific FBG Sensor Market Size by Region (2020-2025) & (M USD)
Table 48. South America FBG Sensor Sales by Country (2020-2025) & (K Units)
Table 49. South America FBG Sensor Market Size by Country (2020-2025) & (M USD)

Table 50. Middle East and Africa FBG Sensor Sales by Region (2020-2025) & (K Units)

Table 51. Middle East and Africa FBG Sensor Market Size by Region (2020-2025) & (M USD)

Table 52. Global FBG Sensor Production (K Units) by Region(2020-2025)

Table 53. Global FBG Sensor Revenue (US\$ Million) by Region (2020-2025)

Table 54. Global FBG Sensor Revenue Market Share by Region (2020-2025)

Table 55. Global FBG Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 56. North America FBG Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 57. Europe FBG Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. Japan FBG Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. China FBG Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Rockwell Automation Basic Information

Table 61. Rockwell Automation FBG Sensor Product Overview

Table 62. Rockwell Automation FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 63. Rockwell Automation Business Overview

Table 64. Rockwell Automation SWOT Analysis

Table 65. Rockwell Automation Recent Developments

Table 66. LUNA (Micron Optics) Basic Information

Table 67. LUNA (Micron Optics) FBG Sensor Product Overview

Table 68. LUNA (Micron Optics) FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 69. LUNA (Micron Optics) Business Overview

Table 70. LUNA (Micron Optics) SWOT Analysis

Table 71. LUNA (Micron Optics) Recent Developments

Table 72. Proximion AB Basic Information

Table 73. Proximion AB FBG Sensor Product Overview

Table 74. Proximion AB FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 75. Proximion AB Business Overview

Table 76. Proximion AB SWOT Analysis

Table 77. Proximion AB Recent Developments

Table 78. HBM FiberSensing Basic Information

Table 79. HBM FiberSensing FBG Sensor Product Overview

Table 80. HBM FiberSensing FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 81. HBM FiberSensing Business Overview
Table 82. HBM FiberSensing Recent Developments
Table 83. ITF Technologies Inc Basic Information
Table 84. ITF Technologies Inc FBG Sensor Product Overview
Table 85. ITF Technologies Inc FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 86. ITF Technologies Inc Business Overview
Table 87. ITF Technologies Inc Recent Developments
Table 88. NKT Photonics Basic Information
Table 89. NKT Photonics FBG Sensor Product Overview
Table 90. NKT Photonics FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 91. NKT Photonics Business Overview
Table 92. NKT Photonics Recent Developments
Table 93. FISO Technologies Basic Information
Table 94. FISO Technologies FBG Sensor Product Overview
Table 95. FISO Technologies FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 96. FISO Technologies Business Overview
Table 97. FISO Technologies Recent Developments
Table 98. Omron Basic Information
Table 99. Omron FBG Sensor Product Overview
Table 100. Omron FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 101. Omron Business Overview
Table 102. Omron Recent Developments
Table 103. FBGS Technologies Basic Information
Table 104. FBGS Technologies FBG Sensor Product Overview
Table 105. FBGS Technologies FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 106. FBGS Technologies Business Overview
Table 107. FBGS Technologies Recent Developments
Table 108. Keyence Basic Information
Table 109. Keyence FBG Sensor Product Overview
Table 110. Keyence FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 111. Keyence Business Overview

Table 112. Keyence Recent Developments
Table 113. Omnisens Basic Information
Table 114. Omnisens FBG Sensor Product Overview
Table 115. Omnisens FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 116. Omnisens Business Overview
Table 117. Omnisens Recent Developments
Table 118. WUTOS Basic Information
Table 119. WUTOS FBG Sensor Product Overview
Table 120. WUTOS FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 121. WUTOS Business Overview
Table 122. WUTOS Recent Developments
Table 123. Bandweaver Basic Information
Table 124. Bandweaver FBG Sensor Product Overview
Table 125. Bandweaver FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 126. Bandweaver Business Overview
Table 127. Bandweaver Recent Developments
Table 128. Smart Fibres Limited Basic Information
Table 129. Smart Fibres Limited FBG Sensor Product Overview
Table 130. Smart Fibres Limited FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 131. Smart Fibres Limited Business Overview
Table 132. Smart Fibres Limited Recent Developments
Table 133. Sensornet Basic Information
Table 134. Sensornet FBG Sensor Product Overview
Table 135. Sensornet FBG Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 136. Sensornet Business Overview
Table 137. Sensornet Recent Developments
Table 138. Global FBG Sensor Sales Forecast by Region (2026-2033) & (K Units)
Table 139. Global FBG Sensor Market Size Forecast by Region (2026-2033) & (M USD)
Table 140. North America FBG Sensor Sales Forecast by Country (2026-2033) & (K Units)
Table 141. North America FBG Sensor Market Size Forecast by Country (2026-2033) & (M USD)
Table 142. Europe FBG Sensor Sales Forecast by Country (2026-2033) & (K Units)

Table 143. Europe FBG Sensor Market Size Forecast by Country (2026-2033) & (M USD)

Table 144. Asia Pacific FBG Sensor Sales Forecast by Region (2026-2033) & (K Units)

Table 145. Asia Pacific FBG Sensor Market Size Forecast by Region (2026-2033) & (M USD)

Table 146. South America FBG Sensor Sales Forecast by Country (2026-2033) & (K Units)

Table 147. South America FBG Sensor Market Size Forecast by Country (2026-2033) & (M USD)

Table 148. Middle East and Africa FBG Sensor Sales Forecast by Country (2026-2033) & (Units)

Table 149. Middle East and Africa FBG Sensor Market Size Forecast by Country (2026-2033) & (M USD)

Table 150. Global FBG Sensor Sales Forecast by Type (2026-2033) & (K Units)

Table 151. Global FBG Sensor Market Size Forecast by Type (2026-2033) & (M USD)

Table 152. Global FBG Sensor Price Forecast by Type (2026-2033) & (USD/Unit)

Table 153. Global FBG Sensor Sales (K Units) Forecast by Application (2026-2033)

Table 154. Global FBG Sensor Market Size Forecast by Application (2026-2033) & (M USD)

List of Figures

Figure 1. Product Picture of FBG Sensor

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global FBG Sensor Market Size (M USD), 2024-2033

Figure 5. Global FBG Sensor Market Size (M USD) (2020-2033)

Figure 6. Global FBG Sensor Sales (K Units) & (2020-2033)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. FBG Sensor Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global FBG Sensor Product Life Cycle

Figure 13. FBG Sensor Sales Share by Manufacturers in 2024

Figure 14. Global FBG Sensor Revenue Share by Manufacturers in 2024

Figure 15. FBG Sensor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market FBG Sensor Average Price (USD/Unit) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by FBG Sensor

Revenue in 2024

Figure 18. Industry Chain Map of FBG Sensor

Figure 19. Global FBG Sensor Market PEST Analysis

Figure 20. Global FBG Sensor Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global FBG Sensor Market Share by Type

Figure 27. Sales Market Share of FBG Sensor by Type (2020-2025)

Figure 28. Sales Market Share of FBG Sensor by Type in 2024

Figure 29. Market Size Share of FBG Sensor by Type (2020-2025)

Figure 30. Market Size Share of FBG Sensor by Type in 2024

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global FBG Sensor Market Share by Application

Figure 33. Global FBG Sensor Sales Market Share by Application (2020-2025)

Figure 34. Global FBG Sensor Sales Market Share by Application in 2024

Figure 35. Global FBG Sensor Market Share by Application (2020-2025)

Figure 36. Global FBG Sensor Market Share by Application in 2024

Figure 37. Global FBG Sensor Sales Growth Rate by Application (2020-2025)

Figure 38. Global FBG Sensor Sales Market Share by Region (2020-2025)

Figure 39. Global FBG Sensor Market Size Market Share by Region (2020-2025)

Figure 40. North America FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America FBG Sensor Sales Market Share by Country in 2024

Figure 43. North America FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America FBG Sensor Market Size Market Share by Country in 2024

Figure 45. U.S. FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada FBG Sensor Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada FBG Sensor Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico FBG Sensor Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico FBG Sensor Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe FBG Sensor Sales Market Share by Country in 2024

Figure 53. Europe FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe FBG Sensor Market Size Market Share by Country in 2024

- Figure 55. Germany FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 56. Germany FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 57. France FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 58. France FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 59. U.K. FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 60. U.K. FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 61. Italy FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 62. Italy FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 63. Spain FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 64. Spain FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 65. Asia Pacific FBG Sensor Sales and Growth Rate (K Units)
- Figure 66. Asia Pacific FBG Sensor Sales Market Share by Region in 2024
- Figure 67. Asia Pacific FBG Sensor Market Size Market Share by Region in 2024
- Figure 68. China FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 69. China FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 70. Japan FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 71. Japan FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 72. South Korea FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 73. South Korea FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 74. India FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 75. India FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 76. Southeast Asia FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 77. Southeast Asia FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 78. South America FBG Sensor Sales and Growth Rate (K Units)
- Figure 79. South America FBG Sensor Sales Market Share by Country in 2024
- Figure 80. South America FBG Sensor Market Size and Growth Rate (M USD)
- Figure 81. South America FBG Sensor Market Size Market Share by Country in 2024
- Figure 82. Brazil FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 83. Brazil FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 84. Argentina FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 85. Argentina FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 86. Columbia FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 87. Columbia FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 88. Middle East and Africa FBG Sensor Sales and Growth Rate (K Units)
- Figure 89. Middle East and Africa FBG Sensor Sales Market Share by Region in 2024

Figure 90. Middle East and Africa FBG Sensor Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa FBG Sensor Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa FBG Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa FBG Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global FBG Sensor Production Market Share by Region (2020-2025)

Figure 103. North America FBG Sensor Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe FBG Sensor Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan FBG Sensor Production (K Units) Growth Rate (2020-2025)

Figure 106. China FBG Sensor Production (K Units) Growth Rate (2020-2025)

Figure 107. Global FBG Sensor Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global FBG Sensor Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global FBG Sensor Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global FBG Sensor Market Share Forecast by Type (2026-2033)

Figure 111. Global FBG Sensor Sales Forecast by Application (2026-2033)

Figure 112. Global FBG Sensor Market Share Forecast by Application (2026-2033)

I would like to order

Product name: Global FBG Sensor Market Research Report 2025(Status and Outlook)

Product link: <https://marketpublishers.com/r/G8B0DC8CDADCEN.html>

Price: US\$ 3,200.00 (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/G8B0DC8CDADCEN.html>