

Global FBG Displacement Sensor Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G9E1DF11EC43EN.html>

Date: January 2026

Pages: 99

Price: US\$ 4,480.00 (Single User License)

ID: G9E1DF11EC43EN

Abstracts

The global FBG Displacement Sensor market size is expected to reach \$ 105 million by 2032, rising at a market growth of 3.5% CAGR during the forecast period (2026-2032). An FBG displacement sensor is a high-precision, fiber-optic measurement device that uses Fiber Bragg Grating technology to convert physical displacement or position change into wavelength shifts within an optical fiber, enabling long-distance, electromagnetic-immune, high-resolution monitoring of structural movement in civil engineering, energy, geotechnical, and industrial applications.

The FBG displacement sensor industry chain begins upstream with optical fibers, grating-writing equipment, specialty coatings, precision mechanical components, signal-interrogation modules, and fiber-protection materials, which feed into midstream activities such as FBG inscription, optical packaging, mechanical structure assembly, calibration, signal processing integration, and system software development, before reaching downstream integrators, engineering contractors, instrumentation providers, and end users in civil structures, energy facilities, tunnels, bridges, and industrial equipment, supported by installation services, long-term monitoring platforms, data analytics firms, and maintenance providers that enable continuous structural health monitoring operations.

Ongoing and planned projects include national bridge and tunnel health-monitoring upgrades, large dam and hydropower structural displacement monitoring installations, smart-city infrastructure sensor-network deployments, expansion of fiber-optic geotechnical monitoring in mining regions, offshore wind-farm structure displacement monitoring programs, high-speed railway deformation measurement systems, industrial automation displacement-sensing integration projects, and academic research initiatives developing next-generation FBG displacement measurement models, all supporting increased adoption of fiber-optic displacement sensors in safety-critical and long-distance monitoring environments.

2025 Global Market sales Volume: 165,000 Units. Average Global Market Price: USD 480 Per Unit. Market Average Gross Profit Margin: 28%.

The FBG displacement sensor market is expanding steadily as industries shift toward fiber-optic sensing technologies for long-distance, high-reliability structural monitoring. Market development is driven by the growing need for predictive maintenance and real-time safety assessment across bridges, tunnels, dams, railways, and industrial assets. Compared with electrical displacement sensors, FBG sensors offer advantages such as electromagnetic immunity, long lifetime, corrosion resistance, and multiplexing capability, making them suitable for large-scale monitoring systems. Asia-Pacific is the fastest-growing region due to massive infrastructure investment and strong adoption of structural health-monitoring technologies. Europe maintains significant demand in civil engineering and energy applications, while North America accelerates adoption in tunneling, geotechnical, and industrial monitoring.

Opportunities arise from the expansion of smart infrastructure programs, digital twin applications, and long-range geotechnical monitoring in mining and hydropower installations. Growing offshore wind development also creates new use cases for displacement and deformation measurement in marine environments. However, risks include high installation and integration costs, limited availability of trained installers, compatibility challenges with interrogation units, and competition from low-cost electrical sensors for non-critical applications. Market trends indicate increasing integration of FBG displacement sensors into cloud-based monitoring platforms, AI-enabled analytics, and modular sensing networks.

The competitive landscape is moderately fragmented, dominated by specialized FBG manufacturers, optical-component suppliers, and structural health-monitoring integrators. Manufacturers differentiate based on wavelength stability, sensor linearity, environmental resistance, interrogation compatibility, and service capabilities. As infrastructure ages globally and monitoring regulations strengthen, demand for high-precision optical displacement sensing is expected to continue rising.

Overall, the FBG displacement sensor market is transitioning from niche engineering applications to broader, standardized deployment across multiple high-value sectors. This report studies the global FBG Displacement Sensor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for FBG Displacement Sensor and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of FBG Displacement Sensor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global FBG Displacement Sensor total production and demand, 2021-2032, (K Units)

Global FBG Displacement Sensor total production value, 2021-2032, (USD Million)

Global FBG Displacement Sensor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global FBG Displacement Sensor consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: FBG Displacement Sensor domestic production, consumption, key domestic manufacturers and share

Global FBG Displacement Sensor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global FBG Displacement Sensor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global FBG Displacement Sensor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global FBG Displacement Sensor market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Luna Innovations, HBK, Optromix, Inc, Technica, AtGrating Technologies, FBGS, Safibra, INFIBRA TECHNOLOGIES Srl, Smart Fibres Ltd, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World FBG Displacement Sensor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global FBG Displacement Sensor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global FBG Displacement Sensor Market, Segmentation by Type:

Cantilever-Type FBG Displacement Sensor

Spring-Type FBG Displacement Sensor

Draw-Wire FBG Displacement Sensor

Linear Translation FBG Displacement Sensor

Global FBG Displacement Sensor Market, Segmentation by Measurement Range:

Short-Range Precision Sensor

Medium-Range Sensor

Long-Range Sensor

Ultra-Long Displacement Sensor

Global FBG Displacement Sensor Market, Segmentation by Installation Method:

Surface-Mounted Sensor

Embedded Sensor

Anchored Sensor

Clamp-On Sensor

Global FBG Displacement Sensor Market, Segmentation by Application:

Civil Engineering Structural Monitoring

Tunnel and Mining Deformation Measurement

Bridge and Dam Displacement Tracking

Industrial Equipment Position Detection

Companies Profiled:

Luna Innovations

HBK

Optromix, Inc

Technica

AtGrating Technologies

FBGS

Safibra

INFIBRA TECHNOLOGIES Srl

Smart Fibres Ltd

Key Questions Answered:

1. How big is the global FBG Displacement Sensor market?
2. What is the demand of the global FBG Displacement Sensor market?
3. What is the year over year growth of the global FBG Displacement Sensor market?

4. What is the production and production value of the global FBG Displacement Sensor market?
5. Who are the key producers in the global FBG Displacement Sensor market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 FBG Displacement Sensor Introduction
- 1.2 World FBG Displacement Sensor Supply & Forecast
 - 1.2.1 World FBG Displacement Sensor Production Value (2021 & 2025 & 2032)
 - 1.2.2 World FBG Displacement Sensor Production (2021-2032)
 - 1.2.3 World FBG Displacement Sensor Pricing Trends (2021-2032)
- 1.3 World FBG Displacement Sensor Production by Region (Based on Production Site)
 - 1.3.1 World FBG Displacement Sensor Production Value by Region (2021-2032)
 - 1.3.2 World FBG Displacement Sensor Production by Region (2021-2032)
 - 1.3.3 World FBG Displacement Sensor Average Price by Region (2021-2032)
 - 1.3.4 North America FBG Displacement Sensor Production (2021-2032)
 - 1.3.5 Europe FBG Displacement Sensor Production (2021-2032)
 - 1.3.6 China FBG Displacement Sensor Production (2021-2032)
 - 1.3.7 Japan FBG Displacement Sensor Production (2021-2032)
 - 1.3.8 Southeast Asia FBG Displacement Sensor Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 FBG Displacement Sensor Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 FBG Displacement Sensor Major Market Trends

2 DEMAND SUMMARY

- 2.1 World FBG Displacement Sensor Demand (2021-2032)
- 2.2 World FBG Displacement Sensor Consumption by Region
 - 2.2.1 World FBG Displacement Sensor Consumption by Region (2021-2026)
 - 2.2.2 World FBG Displacement Sensor Consumption Forecast by Region (2027-2032)
- 2.3 United States FBG Displacement Sensor Consumption (2021-2032)
- 2.4 China FBG Displacement Sensor Consumption (2021-2032)
- 2.5 Europe FBG Displacement Sensor Consumption (2021-2032)
- 2.6 Japan FBG Displacement Sensor Consumption (2021-2032)
- 2.7 South Korea FBG Displacement Sensor Consumption (2021-2032)
- 2.8 ASEAN FBG Displacement Sensor Consumption (2021-2032)
- 2.9 India FBG Displacement Sensor Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World FBG Displacement Sensor Production Value by Manufacturer (2021-2026)
- 3.2 World FBG Displacement Sensor Production by Manufacturer (2021-2026)
- 3.3 World FBG Displacement Sensor Average Price by Manufacturer (2021-2026)
- 3.4 FBG Displacement Sensor Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global FBG Displacement Sensor Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for FBG Displacement Sensor in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for FBG Displacement Sensor in 2025
- 3.6 FBG Displacement Sensor Market: Overall Company Footprint Analysis
 - 3.6.1 FBG Displacement Sensor Market: Region Footprint
 - 3.6.2 FBG Displacement Sensor Market: Company Product Type Footprint
 - 3.6.3 FBG Displacement Sensor Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: FBG Displacement Sensor Production Value Comparison
 - 4.1.1 United States VS China: FBG Displacement Sensor Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: FBG Displacement Sensor Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: FBG Displacement Sensor Production Comparison
 - 4.2.1 United States VS China: FBG Displacement Sensor Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: FBG Displacement Sensor Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: FBG Displacement Sensor Consumption Comparison
 - 4.3.1 United States VS China: FBG Displacement Sensor Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: FBG Displacement Sensor Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based FBG Displacement Sensor Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based FBG Displacement Sensor Manufacturers, Headquarters

and Production Site (States, Country)

4.4.2 United States Based Manufacturers FBG Displacement Sensor Production Value (2021-2026)

4.4.3 United States Based Manufacturers FBG Displacement Sensor Production (2021-2026)

4.5 China Based FBG Displacement Sensor Manufacturers and Market Share

4.5.1 China Based FBG Displacement Sensor Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers FBG Displacement Sensor Production Value (2021-2026)

4.5.3 China Based Manufacturers FBG Displacement Sensor Production (2021-2026)

4.6 Rest of World Based FBG Displacement Sensor Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based FBG Displacement Sensor Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers FBG Displacement Sensor Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers FBG Displacement Sensor Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World FBG Displacement Sensor Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Cantilever-Type FBG Displacement Sensor

5.2.2 Spring-Type FBG Displacement Sensor

5.2.3 Draw-Wire FBG Displacement Sensor

5.2.4 Linear Translation FBG Displacement Sensor

5.3 Market Segment by Type

5.3.1 World FBG Displacement Sensor Production by Type (2021-2032)

5.3.2 World FBG Displacement Sensor Production Value by Type (2021-2032)

5.3.3 World FBG Displacement Sensor Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY MEASUREMENT RANGE

6.1 World FBG Displacement Sensor Market Size Overview by Measurement Range: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Measurement Range

- 6.2.1 Short-Range Precision Sensor
- 6.2.2 Medium-Range Sensor
- 6.2.3 Long-Range Sensor
- 6.2.4 Ultra-Long Displacement Sensor
- 6.3 Market Segment by Measurement Range
 - 6.3.1 World FBG Displacement Sensor Production by Measurement Range (2021-2032)
 - 6.3.2 World FBG Displacement Sensor Production Value by Measurement Range (2021-2032)
 - 6.3.3 World FBG Displacement Sensor Average Price by Measurement Range (2021-2032)

7 MARKET ANALYSIS BY INSTALLATION METHOD

- 7.1 World FBG Displacement Sensor Market Size Overview by Installation Method: 2021 VS 2025 VS 2032
- 7.2 Segment Introduction by Installation Method
 - 7.2.1 Surface-Mounted Sensor
 - 7.2.2 Embedded Sensor
 - 7.2.3 Anchored Sensor
 - 7.2.4 Clamp-On Sensor
- 7.3 Market Segment by Installation Method
 - 7.3.1 World FBG Displacement Sensor Production by Installation Method (2021-2032)
 - 7.3.2 World FBG Displacement Sensor Production Value by Installation Method (2021-2032)
 - 7.3.3 World FBG Displacement Sensor Average Price by Installation Method (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

- 8.1 World FBG Displacement Sensor Market Size Overview by Application: 2021 VS 2025 VS 2032
- 8.2 Segment Introduction by Application
 - 8.2.1 Civil Engineering Structural Monitoring
 - 8.2.2 Tunnel and Mining Deformation Measurement
 - 8.2.3 Bridge and Dam Displacement Tracking
 - 8.2.4 Industrial Equipment Position Detection
- 8.3 Market Segment by Application
 - 8.3.1 World FBG Displacement Sensor Production by Application (2021-2032)

8.3.2 World FBG Displacement Sensor Production Value by Application (2021-2032)

8.3.3 World FBG Displacement Sensor Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Luna Innovations

9.1.1 Luna Innovations Details

9.1.2 Luna Innovations Major Business

9.1.3 Luna Innovations FBG Displacement Sensor Product and Services

9.1.4 Luna Innovations FBG Displacement Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Luna Innovations Recent Developments/Updates

9.1.6 Luna Innovations Competitive Strengths & Weaknesses

9.2 HBK

9.2.1 HBK Details

9.2.2 HBK Major Business

9.2.3 HBK FBG Displacement Sensor Product and Services

9.2.4 HBK FBG Displacement Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 HBK Recent Developments/Updates

9.2.6 HBK Competitive Strengths & Weaknesses

9.3 Optromix, Inc

9.3.1 Optromix, Inc Details

9.3.2 Optromix, Inc Major Business

9.3.3 Optromix, Inc FBG Displacement Sensor Product and Services

9.3.4 Optromix, Inc FBG Displacement Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Optromix, Inc Recent Developments/Updates

9.3.6 Optromix, Inc Competitive Strengths & Weaknesses

9.4 Technica

9.4.1 Technica Details

9.4.2 Technica Major Business

9.4.3 Technica FBG Displacement Sensor Product and Services

9.4.4 Technica FBG Displacement Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Technica Recent Developments/Updates

9.4.6 Technica Competitive Strengths & Weaknesses

9.5 AtGrating Technologies

9.5.1 AtGrating Technologies Details

- 9.5.2 AtGrating Technologies Major Business
- 9.5.3 AtGrating Technologies FBG Displacement Sensor Product and Services
- 9.5.4 AtGrating Technologies FBG Displacement Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.5.5 AtGrating Technologies Recent Developments/Updates
- 9.5.6 AtGrating Technologies Competitive Strengths & Weaknesses
- 9.6 FBGS
 - 9.6.1 FBGS Details
 - 9.6.2 FBGS Major Business
 - 9.6.3 FBGS FBG Displacement Sensor Product and Services
 - 9.6.4 FBGS FBG Displacement Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 FBGS Recent Developments/Updates
 - 9.6.6 FBGS Competitive Strengths & Weaknesses
- 9.7 Safibra
 - 9.7.1 Safibra Details
 - 9.7.2 Safibra Major Business
 - 9.7.3 Safibra FBG Displacement Sensor Product and Services
 - 9.7.4 Safibra FBG Displacement Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Safibra Recent Developments/Updates
 - 9.7.6 Safibra Competitive Strengths & Weaknesses
- 9.8 INFIBRA TECHNOLOGIES Srl
 - 9.8.1 INFIBRA TECHNOLOGIES Srl Details
 - 9.8.2 INFIBRA TECHNOLOGIES Srl Major Business
 - 9.8.3 INFIBRA TECHNOLOGIES Srl FBG Displacement Sensor Product and Services
 - 9.8.4 INFIBRA TECHNOLOGIES Srl FBG Displacement Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 INFIBRA TECHNOLOGIES Srl Recent Developments/Updates
 - 9.8.6 INFIBRA TECHNOLOGIES Srl Competitive Strengths & Weaknesses
- 9.9 Smart Fibres Ltd
 - 9.9.1 Smart Fibres Ltd Details
 - 9.9.2 Smart Fibres Ltd Major Business
 - 9.9.3 Smart Fibres Ltd FBG Displacement Sensor Product and Services
 - 9.9.4 Smart Fibres Ltd FBG Displacement Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Smart Fibres Ltd Recent Developments/Updates
 - 9.9.6 Smart Fibres Ltd Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 FBG Displacement Sensor Industry Chain
- 10.2 FBG Displacement Sensor Upstream Analysis
 - 10.2.1 FBG Displacement Sensor Core Raw Materials
 - 10.2.2 Main Manufacturers of FBG Displacement Sensor Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 FBG Displacement Sensor Production Mode
- 10.6 FBG Displacement Sensor Procurement Model
- 10.7 FBG Displacement Sensor Industry Sales Model and Sales Channels
 - 10.7.1 FBG Displacement Sensor Sales Model
 - 10.7.2 FBG Displacement Sensor Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World FBG Displacement Sensor Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World FBG Displacement Sensor Production Value by Region (2021-2026) & (USD Million)

Table 3. World FBG Displacement Sensor Production Value by Region (2027-2032) & (USD Million)

Table 4. World FBG Displacement Sensor Production Value Market Share by Region (2021-2026)

Table 5. World FBG Displacement Sensor Production Value Market Share by Region (2027-2032)

Table 6. World FBG Displacement Sensor Production by Region (2021-2026) & (K Units)

Table 7. World FBG Displacement Sensor Production by Region (2027-2032) & (K Units)

Table 8. World FBG Displacement Sensor Production Market Share by Region (2021-2026)

Table 9. World FBG Displacement Sensor Production Market Share by Region (2027-2032)

Table 10. World FBG Displacement Sensor Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World FBG Displacement Sensor Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. FBG Displacement Sensor Major Market Trends

Table 13. World FBG Displacement Sensor Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World FBG Displacement Sensor Consumption by Region (2021-2026) & (K Units)

Table 15. World FBG Displacement Sensor Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World FBG Displacement Sensor Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key FBG Displacement Sensor Producers in 2025

Table 18. World FBG Displacement Sensor Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key FBG Displacement Sensor Producers in 2025

Table 20. World FBG Displacement Sensor Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global FBG Displacement Sensor Company Evaluation Quadrant

Table 22. World FBG Displacement Sensor Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and FBG Displacement Sensor Production Site of Key Manufacturer

Table 24. FBG Displacement Sensor Market: Company Product Type Footprint

Table 25. FBG Displacement Sensor Market: Company Product Application Footprint

Table 26. FBG Displacement Sensor Competitive Factors

Table 27. FBG Displacement Sensor New Entrant and Capacity Expansion Plans

Table 28. FBG Displacement Sensor Mergers & Acquisitions Activity

Table 29. United States VS China FBG Displacement Sensor Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China FBG Displacement Sensor Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China FBG Displacement Sensor Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based FBG Displacement Sensor Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers FBG Displacement Sensor Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers FBG Displacement Sensor Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers FBG Displacement Sensor Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers FBG Displacement Sensor Production Market Share (2021-2026)

Table 37. China Based FBG Displacement Sensor Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers FBG Displacement Sensor Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers FBG Displacement Sensor Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers FBG Displacement Sensor Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers FBG Displacement Sensor Production Market

Share (2021-2026)

Table 42. Rest of World Based FBG Displacement Sensor Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers FBG Displacement Sensor Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers FBG Displacement Sensor Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers FBG Displacement Sensor Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers FBG Displacement Sensor Production Market Share (2021-2026)

Table 47. World FBG Displacement Sensor Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World FBG Displacement Sensor Production by Type (2021-2026) & (K Units)

Table 49. World FBG Displacement Sensor Production by Type (2027-2032) & (K Units)

Table 50. World FBG Displacement Sensor Production Value by Type (2021-2026) & (USD Million)

Table 51. World FBG Displacement Sensor Production Value by Type (2027-2032) & (USD Million)

Table 52. World FBG Displacement Sensor Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World FBG Displacement Sensor Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World FBG Displacement Sensor Production Value by Measurement Range, (USD Million), 2021 & 2025 & 2032

Table 55. World FBG Displacement Sensor Production by Measurement Range (2021-2026) & (K Units)

Table 56. World FBG Displacement Sensor Production by Measurement Range (2027-2032) & (K Units)

Table 57. World FBG Displacement Sensor Production Value by Measurement Range (2021-2026) & (USD Million)

Table 58. World FBG Displacement Sensor Production Value by Measurement Range (2027-2032) & (USD Million)

Table 59. World FBG Displacement Sensor Average Price by Measurement Range (2021-2026) & (US\$/Unit)

Table 60. World FBG Displacement Sensor Average Price by Measurement Range (2027-2032) & (US\$/Unit)

Table 61. World FBG Displacement Sensor Production Value by Installation Method, (USD Million), 2021 & 2025 & 2032

- Table 62. World FBG Displacement Sensor Production by Installation Method (2021-2026) & (K Units)
- Table 63. World FBG Displacement Sensor Production by Installation Method (2027-2032) & (K Units)
- Table 64. World FBG Displacement Sensor Production Value by Installation Method (2021-2026) & (USD Million)
- Table 65. World FBG Displacement Sensor Production Value by Installation Method (2027-2032) & (USD Million)
- Table 66. World FBG Displacement Sensor Average Price by Installation Method (2021-2026) & (US\$/Unit)
- Table 67. World FBG Displacement Sensor Average Price by Installation Method (2027-2032) & (US\$/Unit)
- Table 68. World FBG Displacement Sensor Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 69. World FBG Displacement Sensor Production by Application (2021-2026) & (K Units)
- Table 70. World FBG Displacement Sensor Production by Application (2027-2032) & (K Units)
- Table 71. World FBG Displacement Sensor Production Value by Application (2021-2026) & (USD Million)
- Table 72. World FBG Displacement Sensor Production Value by Application (2027-2032) & (USD Million)
- Table 73. World FBG Displacement Sensor Average Price by Application (2021-2026) & (US\$/Unit)
- Table 74. World FBG Displacement Sensor Average Price by Application (2027-2032) & (US\$/Unit)
- Table 75. Luna Innovations Basic Information, Manufacturing Base and Competitors
- Table 76. Luna Innovations Major Business
- Table 77. Luna Innovations FBG Displacement Sensor Product and Services
- Table 78. Luna Innovations FBG Displacement Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 79. Luna Innovations Recent Developments/Updates
- Table 80. Luna Innovations Competitive Strengths & Weaknesses
- Table 81. HBK Basic Information, Manufacturing Base and Competitors
- Table 82. HBK Major Business
- Table 83. HBK FBG Displacement Sensor Product and Services
- Table 84. HBK FBG Displacement Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 85. HBK Recent Developments/Updates
- Table 86. HBK Competitive Strengths & Weaknesses
- Table 87. Optromix, Inc Basic Information, Manufacturing Base and Competitors
- Table 88. Optromix, Inc Major Business
- Table 89. Optromix, Inc FBG Displacement Sensor Product and Services
- Table 90. Optromix, Inc FBG Displacement Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Optromix, Inc Recent Developments/Updates
- Table 92. Optromix, Inc Competitive Strengths & Weaknesses
- Table 93. Technica Basic Information, Manufacturing Base and Competitors
- Table 94. Technica Major Business
- Table 95. Technica FBG Displacement Sensor Product and Services
- Table 96. Technica FBG Displacement Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Technica Recent Developments/Updates
- Table 98. Technica Competitive Strengths & Weaknesses
- Table 99. AtGrating Technologies Basic Information, Manufacturing Base and Competitors
- Table 100. AtGrating Technologies Major Business
- Table 101. AtGrating Technologies FBG Displacement Sensor Product and Services
- Table 102. AtGrating Technologies FBG Displacement Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. AtGrating Technologies Recent Developments/Updates
- Table 104. AtGrating Technologies Competitive Strengths & Weaknesses
- Table 105. FBGS Basic Information, Manufacturing Base and Competitors
- Table 106. FBGS Major Business
- Table 107. FBGS FBG Displacement Sensor Product and Services
- Table 108. FBGS FBG Displacement Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. FBGS Recent Developments/Updates
- Table 110. FBGS Competitive Strengths & Weaknesses
- Table 111. Safibra Basic Information, Manufacturing Base and Competitors
- Table 112. Safibra Major Business
- Table 113. Safibra FBG Displacement Sensor Product and Services
- Table 114. Safibra FBG Displacement Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. Safibra Recent Developments/Updates

Table 116. Safibra Competitive Strengths & Weaknesses

Table 117. INFIBRA TECHNOLOGIES Srl Basic Information, Manufacturing Base and Competitors

Table 118. INFIBRA TECHNOLOGIES Srl Major Business

Table 119. INFIBRA TECHNOLOGIES Srl FBG Displacement Sensor Product and Services

Table 120. INFIBRA TECHNOLOGIES Srl FBG Displacement Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. INFIBRA TECHNOLOGIES Srl Recent Developments/Updates

Table 122. INFIBRA TECHNOLOGIES Srl Competitive Strengths & Weaknesses

Table 123. Smart Fibres Ltd Basic Information, Manufacturing Base and Competitors

Table 124. Smart Fibres Ltd Major Business

Table 125. Smart Fibres Ltd FBG Displacement Sensor Product and Services

Table 126. Smart Fibres Ltd FBG Displacement Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Smart Fibres Ltd Recent Developments/Updates

Table 128. Smart Fibres Ltd Competitive Strengths & Weaknesses

Table 129. Global Key Players of FBG Displacement Sensor Upstream (Raw Materials)

Table 130. Global FBG Displacement Sensor Typical Customers

Table 131. FBG Displacement Sensor Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. FBG Displacement Sensor Picture
- Figure 2. World FBG Displacement Sensor Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World FBG Displacement Sensor Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World FBG Displacement Sensor Production (2021-2032) & (K Units)
- Figure 5. World FBG Displacement Sensor Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World FBG Displacement Sensor Production Value Market Share by Region (2021-2032)
- Figure 7. World FBG Displacement Sensor Production Market Share by Region (2021-2032)
- Figure 8. North America FBG Displacement Sensor Production (2021-2032) & (K Units)
- Figure 9. Europe FBG Displacement Sensor Production (2021-2032) & (K Units)
- Figure 10. China FBG Displacement Sensor Production (2021-2032) & (K Units)
- Figure 11. Japan FBG Displacement Sensor Production (2021-2032) & (K Units)
- Figure 12. Southeast Asia FBG Displacement Sensor Production (2021-2032) & (K Units)
- Figure 13. FBG Displacement Sensor Market Drivers
- Figure 14. Factors Affecting Demand
- Figure 15. World FBG Displacement Sensor Consumption (2021-2032) & (K Units)
- Figure 16. World FBG Displacement Sensor Consumption Market Share by Region (2021-2032)
- Figure 17. United States FBG Displacement Sensor Consumption (2021-2032) & (K Units)
- Figure 18. China FBG Displacement Sensor Consumption (2021-2032) & (K Units)
- Figure 19. Europe FBG Displacement Sensor Consumption (2021-2032) & (K Units)
- Figure 20. Japan FBG Displacement Sensor Consumption (2021-2032) & (K Units)
- Figure 21. South Korea FBG Displacement Sensor Consumption (2021-2032) & (K Units)
- Figure 22. ASEAN FBG Displacement Sensor Consumption (2021-2032) & (K Units)
- Figure 23. India FBG Displacement Sensor Consumption (2021-2032) & (K Units)
- Figure 24. Producer Shipments of FBG Displacement Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2025
- Figure 25. Global Four-firm Concentration Ratios (CR4) for FBG Displacement Sensor Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for FBG Displacement Sensor Markets in 2025

Figure 27. United States VS China: FBG Displacement Sensor Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: FBG Displacement Sensor Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: FBG Displacement Sensor Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers FBG Displacement Sensor Production Market Share 2025

Figure 31. China Based Manufacturers FBG Displacement Sensor Production Market Share 2025

Figure 32. Rest of World Based Manufacturers FBG Displacement Sensor Production Market Share 2025

Figure 33. World FBG Displacement Sensor Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 34. World FBG Displacement Sensor Production Value Market Share by Type in 2025

Figure 35. Cantilever-Type FBG Displacement Sensor

Figure 36. Spring-Type FBG Displacement Sensor

Figure 37. Draw-Wire FBG Displacement Sensor

Figure 38. Linear Translation FBG Displacement Sensor

Figure 39. World FBG Displacement Sensor Production Market Share by Type (2021-2032)

Figure 40. World FBG Displacement Sensor Production Value Market Share by Type (2021-2032)

Figure 41. World FBG Displacement Sensor Average Price by Type (2021-2032) & (US\$/Unit)

Figure 42. World FBG Displacement Sensor Production Value by Measurement Range, (USD Million), 2021 & 2025 & 2032

Figure 43. World FBG Displacement Sensor Production Value Market Share by Measurement Range in 2025

Figure 44. Short-Range Precision Sensor

Figure 45. Medium-Range Sensor

Figure 46. Long-Range Sensor

Figure 47. Ultra-Long Displacement Sensor

Figure 48. World FBG Displacement Sensor Production Market Share by Measurement Range (2021-2032)

Figure 49. World FBG Displacement Sensor Production Value Market Share by

Measurement Range (2021-2032)

Figure 50. World FBG Displacement Sensor Average Price by Measurement Range (2021-2032) & (US\$/Unit)

Figure 51. World FBG Displacement Sensor Production Value by Installation Method, (USD Million), 2021 & 2025 & 2032

Figure 52. World FBG Displacement Sensor Production Value Market Share by Installation Method in 2025

Figure 53. Surface-Mounted Sensor

Figure 54. Embedded Sensor

Figure 55. Anchored Sensor

Figure 56. Clamp-On Sensor

Figure 57. World FBG Displacement Sensor Production Market Share by Installation Method (2021-2032)

Figure 58. World FBG Displacement Sensor Production Value Market Share by Installation Method (2021-2032)

Figure 59. World FBG Displacement Sensor Average Price by Installation Method (2021-2032) & (US\$/Unit)

Figure 60. World FBG Displacement Sensor Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 61. World FBG Displacement Sensor Production Value Market Share by Application in 2025

Figure 62. Civil Engineering Structural Monitoring

Figure 63. Tunnel and Mining Deformation Measurement

Figure 64. Bridge and Dam Displacement Tracking

Figure 65. Industrial Equipment Position Detection

Figure 66. World FBG Displacement Sensor Production Market Share by Application (2021-2032)

Figure 67. World FBG Displacement Sensor Production Value Market Share by Application (2021-2032)

Figure 68. World FBG Displacement Sensor Average Price by Application (2021-2032) & (US\$/Unit)

Figure 69. FBG Displacement Sensor Industry Chain

Figure 70. FBG Displacement Sensor Procurement Model

Figure 71. FBG Displacement Sensor Sales Model

Figure 72. FBG Displacement Sensor Sales Channels, Direct Sales, and Distribution

Figure 73. Methodology

Figure 74. Research Process and Data Source

I would like to order

Product name: Global FBG Displacement Sensor Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G9E1DF11EC43EN.html>

Price: US\$ 4,480.00 (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/G9E1DF11EC43EN.html>