

FBG Temperature Sensors Market, Global Outlook and Forecast 2022-2028

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Abstracts

Optic fiber Bragg Grating sensor for temperature measurement provide many advantages over conventional electrical systems, particularly in applications that are exposed to harsh environments and require long-range, long-term deployments.

Bragg grating sensor is a perfect option for a variety of applications. These sensors are insensitive to the environmental changes and passive, which is a big upgrade compared to the regular electrical ones. They have higher accuracy and resolution, and they are immune to electric sparks. Long reliability period, ability to resist corrosion and other harsh environments are packed in a very compact size device.

One of the biggest advantages of FBG temperature sensor is the fact that its fiber optic temperature measurements are absolute, and it has the fastest response compared to other options. The highest return speed is perfect in the cases where temperature changes are fast and extreme.

This report contains market size and forecasts of FBG Temperature Sensors in global, including the following market information:

Global FBG Temperature Sensors Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global FBG Temperature Sensors Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five FBG Temperature Sensors companies in 2021 (%)

The global FBG Temperature Sensors market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period

2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Distributed Sensing Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of FBG Temperature Sensors include Micron Optics, OptaSense(QinetiQ), Opsens Inc, Halliburton, Proximion, FISO Technologies, ITF Technologies Inc, Omnisens SA and Epsilon Optics, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the FBG Temperature Sensors manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global FBG Temperature Sensors Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global FBG Temperature Sensors Market Segment Percentages, by Type, 2021 (%)

Distributed Sensing

Fiber Optic Point Sensing

Global FBG Temperature Sensors Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global FBG Temperature Sensors Market Segment Percentages, by Application, 2021 (%)

Power Industry

Transportation Industry

Oil & Gas Industry

Casting Industries

Other

Global FBG Temperature Sensors Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (K Units)

Global FBG Temperature Sensors Market Segment Percentages, By Region and
Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies FBG Temperature Sensors revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies FBG Temperature Sensors revenues share in global market, 2021 (%)

Key companies FBG Temperature Sensors sales in global market, 2017-2022
(Estimated), (K Units)

Key companies FBG Temperature Sensors sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Micron Optics

OptaSense(QinetiQ)

Opsens Inc

Halliburton

Proximion

FISO Technologies

ITF Technologies Inc

Omnisens SA

Epsilon Optics

LIOS Technology

Wuhan Ligong Guangke

Bandweaver

Boomdts

Sensornet

Schlumberger

Yokogawa Electric Corporation

Luna Innovations

Optromix

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