Brands of Fiber Optic Sensors

Overview

This buyer''s guide for fiber-optic sensors provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Key Takeaways

Some of the most recognized brands of fiber optic sensors include Littelfuse, Omega Engineering, Advanced Energy Industries, Panasonic, Omron, and FBGS International. Fiber optic sensors are widely used in industrial automation, structural health monitoring, aerospace, and energy applications due to their immunity to electromagnetic interference and ability to operate in harsh environments. Common brands and manufacturers include: Littelfuse, Inc. – Known for industrial and automation fiber optic sensors.

Omega Engineering, Inc. – Offers a broad range of fiber optic sensors for temperature, strain, and object detection. Advanced Energy Industries, Inc. – Specializes in precision sensing and control solutions. Panasonic Electric (China) Co., Ltd. – Provides industrial automation and factory solutions with fiber optic sensing components.

Omron Automation – Offers advanced fiber optic sensors for industrial automation and process control.

FBGS International N

V – Focuses on fiber Bragg grating sensors for strain, temperature, and structural monitoring. Luna Innovations Inc. – Supplies distributed fiber optic sensing systems for infrastructure and energy monitoring. Leuze electronic GmbH & Co.

K

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G – Manufactures optical sensors including fiber optic solutions for industrial applications.

HBK Fiber

Sensing S. A. – Provides high-precision fiber optic sensors for structural health monitoring. These brands cover a wide range of sensor types, including intrinsic and extrinsic fiber optic sensors, point sensors, and distributed sensing systems, suitable for applications such as temperature, strain, pressure, vibration, and liquid detection.

Choosing a brand often depends on the specific application, environmental conditions, and required measurement precision, with many companies offering both standard and customized solutions for industrial, aerospace, and energy sectors.

Article Content

Fiber-optic Sensors – Buyer''s Guide & Supplier List

This buyer''s guide for fiber-optic sensors provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

10 Best Fiber Optic Manufacturers for 2026

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions. See who tops the list for quality and innovation.

Fiber Optic Sensors | Suppliers

Explore 72 top manufacturers and suppliers of Fiber Optic Sensors in our comprehensive photonics buyers'' guide. A fiber optic sensor is a device that uses optical fibers to detect and measure physical,

Top Companies in Distributed Fiber Optic Sensors 2034

What are the top companies in distributed fiber optic sensors market? Key players include Tekni-Plex, DuPont, Amcor, Berry Global, and UFP Technologies, each contributing through material innovation

Top 10 Fiber Optic Temperature Sensing System Manufacturers

The three core technologies are fluorescent fiber optic sensors, distributed temperature sensing (DTS), and fiber Bragg grating (FBG) sensors — each suited to different applications and

38 Optical Sensor Manufacturers in 2026

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This section provides an overview for optical sensors as well as their applications and principles. Also, please take a look at the list of 38 optical sensor manufacturers and their company rankings.

Fiber Optic Cable Supplier, Distributor

Stocking distributor of fiber optic installation tools, bulk fiber cables, fiber patch cables, test equipment, cable management, fiber optic training and more.

Banner IA23S Fiber Optic Sensor 17299 USED

Description Banner IA23S Fiber Optic Sensor 17299 USEDUnit shows signs of previous mounting/use and may have some mild scuffing/shelf wear and/or surface rust.Measuring Devices shown in picture

Projecting the Growth Trajectory of Optical Fiber Temperature Sensor ...

The Optical Fiber Temperature Sensor Market prioritizes cost control and efficiency enhancement. Additionally, the reports cover both the demand and supply sides of the market.

SWAP KEYENCE FS-V31P Fiber Optic Sensor New

img { max-width: 100%; } KEYENCE FS-V31P Fiber Optic Sensor New Object Condition New This item will be packed with the greatest care, bubblewrap and all necessesary protection to avoid any

Solar farm perimeter security: Hikvision''s fiber-optic vibration ...

The fiber processor uses Distributed Acoustic Sensing (HIK-DAS) acoustic recognition and AI algorithms to analyse vibration patterns at the sensing level, rejecting false alarms from the

Industry-leading Optical Switches/Attenuators

Under the Agiltron brand name, we engineer best-in-class optical and electro-optical products built on over 25 years of intensive R&D and rigorous industrial engineering. Driven by a commitment to

Fibra, Fibercop and Nokia are testing infrastructure that acts as a ...

Fibre optics are no longer just a ''data motorway'', but a vast network of sensors stretching beneath cities, roads and regions. This is the new frontier opened up by the agreement between

Original Keyence AP-A01 Digital Fiber Optic Sensor Amplifier NPN

Type FIBER OPTIC SENSOR Output 20 Dark Count Rate 0.5mcps Usage standard Theory standard Manufacturer Part Number AP-A01 Description standard Mounting Type standard Brand Name

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FU-L50Z Fiber Optic Sensor Cable for Industrial Photoelectric Detection

Place of Origin Japan Brand Name Original Product Type Fiber Optic Sensor Cable Model Number FU-L50Z Series FU Series Interface Fiber Optic Communication Protocol Other Module Function

1 Brand New Original Item E3t-ft13 Through-beam Optical Sensor,

1 Brand New Original Item E3t-ft13 Through-beam Optical Sensor, Emitter & Receiver, 500mm, Pnp Brand New, Original Plc No reviews yet $162 - 203 Minimum order quantity: 1 piece

Through-beam Matrix Fiber Optic Sensor GT-PE40 Industrial

Highlights at a glance Through-beam Matrix Fiber Optic Sensor: Precisely counts items in industrial packaging machines. High Accuracy: Ensures reliable counting for precise production control.

FU-66Z Fiber Optic Sensor Head for Industrial Object Detection

Place of Origin Japan Brand Name Original Product Type Fiber Optic Sensor Head Model Number FU-66Z Series FU Series Interface Fiber Optic Communication Protocol Other Module Function Object

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