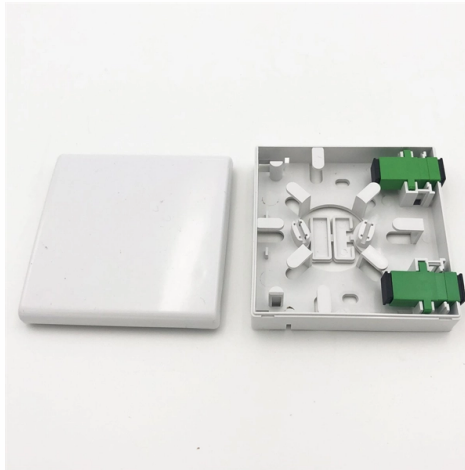


US Fiber Optic Sensing Companies



Article Overview

The U.S. fiber optic sensing market includes a mix of large-scale industrial players and specialized innovators, with companies like Luna Innovations, Schlumberger, Tekni-Plex, DuPont, and UFP Technologies leading in distributed and custom fiber optic sensing solutions.

Key U.S. Companies

- Luna Innovations – Specializes in distributed fiber optic sensors, Fiber Bragg Grating (FBG) sensors, and optical interrogation systems. Recent acquisitions include Silixa Ltd. and LIOS Sensing, expanding capabilities in temperature, strain, and environmental monitoring for energy, mining, and defense sectors .
- Schlumberger – Collaborates with companies like Sintela to co-develop fiber optic solutions for industrial applications, including pipeline monitoring and infrastructure sensing .
- Tekni-Plex and DuPont – Large-scale material science companies with strong R&D capabilities, offering integrated fiber optic sensing solutions across multiple industries .
- UFP Technologies – Focuses on niche applications and customization, providing high-growth, specialized fiber optic sensing products .
- Advance Electrical & Automation – Distributor and manufacturer of fiber optic sensors for electronics, medical, food, and oil & gas industries, offering both plastic and glass fiber types .
- Thin-Films Research, Inc. – Custom manufacturer for MEMS-based fiber optic sensors, serving semiconductor, electronics, and medical sectors .
- Everight Position Technologies Corp. – Distributor of passive fiber optic sensors for...

Article Content

FiberSense

FiberSense has focused on applying Distributed Fiber Sensors in the toughest environment they can be

Home | Fiber SenSys Inc.

Fiber SenSys®, Inc., (FSI) is the market-leading manufacturer of fiber-optic intrusion detection systems for outdoor perimeters and

Luna Innovations | Fiber Optic Sensing and

Luna fiber optic sensing and measurement systems help design, build and maintain products and

Top "Fiber optic sensing" companies | VentureRadar

Top companies for "Fiber optic sensing" at VentureRadar with Innovation Scores, Core Health Signals and more. Including Fervo

Top Companies

*Definition- A sensing system that uses an optical fiber as the sensing medium to measure and monitor various

Distributed Fiber Optic Sensor Market Size Report 2026-2033

Distributed Fiber Optic Sensor Market Summary The global distributed fiber optic sensor market size was valued at USD 1.6 billion in

18 Fiber Optic Sensor Manufacturers in 2026

This section provides an overview for fiber optic sensors as well as their applications and principles. Also, please take a look at the

Luna Innovations | Fiber Optic Sensing and Measurement Systems

Luna fiber optic sensing and measurement systems help design, build and maintain products and processes for aerospace, energy,

Distributed Fiber Optic Sensing | OptaSense

Discover monitoring solutions utilizing distributed fiber optic sensing technology and real-time applications

Fiber Optic Sensors Manufacturers and Suppliers in the USA

Manufacturer and distributor of fiberopticsensors including fiberoptic photoelectric sensors and universal heavy-duty fiberoptic

Fiber Optic Sensor Companies

Fiber optic sensor companies manufacture sensors that use optical fibers for detecting changes in physical properties

Distributed Fiber Optic Sensor Companies

Distributed Fiber Optic Sensor industry insights on factors that are driving the growth of the Distributed Fiber Optic Sensor Market

Top Fiber-Optic Sensors Providers | Compare 21 Companies

Compare Fiber-Optic Sensors providers listed in the Wireless and RF Online Directory. Browse the latest products and services for

Distributed Fiber Optic Sensor Market Size, Share and Trends

The distributed fiber optic sensor ecosystem consists of an assortment of companies at various stages such as SLB (US), Halliburton

Top Companies in Distributed Fiber Optic Sensors 2034

Opterro offers unmatched fiber-optic sensing solutions with leading-edge system performance and decision-aid analytics. Our end-to

Fiber Optic Sensors | Suppliers

A fiber optic sensor is a device that uses optical fibers to detect and measure physical, chemical, biological, or environmental

Fiber Optic Sensing Association (FOSA)

Fiber optic sensing is used around the world to monitor smart infrastructure, including tunnels, railways, bridges, borders, power

Paulsson, Inc. | Fiber Optic Sensing Solutions | Pipeline Monitoring ...

Paulsson is a leader in advanced optical sensing solutions, specializing in fiber optic, seismic, acoustic, pressure, and temperature

Optical Fiber Sensors: High Resolution Fiber Optic Sensing

Our range of Fiber Optic Sensors fit a variety of applications across industries. Along with obtaining spatially continuous

Distributed Fiber Optic Sensing for Structural Health Monitoring

Enhance your Structural Health Monitoring using advanced Distributed Fiber Optic Sensing Interrogators. Get real-time, high

What is Fiber Optic Sensing?

Learn how fiber optic sensing technology, including distributed acoustic sensing (DAS), distributed temperature sensing (DTS), and

Opterro | End-to-End Fiber-Optic Sensing & Analytics

Opterro is a Silicon Valley-based technology company that delivers end-to-end, fiber-optic sensing solutions for a range of

Fiber Optic Sensing Solutions Company

Hawk Fiber Optics can assist you with all your needs as a fiber optic sensing solutions company. This revolutionary technology can

Fiber Optic Sensing Companies (Monitoring and Testing)

SelkerMetrics specializes in fiber optic Distributed Temperature Sensing (DTS) used to locate groundwater seeps into bodies of

Distributed Fiber Optic Sensor companies: Schlumberger,

Scope The competitive landscape of Distributed Fiber Optic Sensor companies focuses on technological innovation, precision, and

Utilizing NEC's Fiber Optic Sensing Technology Worldwide

The company is using both expertise to conduct research into NEC's unique Fiber Optic Sensing technology. With the

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