

Fiber Optic Sensing Company



Article Overview

Leading fiber optic sensing companies include Littelfuse, Omega Engineering, Advanced Energy, Silixa, FiberSense, and Tekni-Plex, offering solutions across industrial, infrastructure, and urban monitoring applications.

Top Fiber Optic Sensor Manufacturers

Some of the most recognized manufacturers of fiber optic sensors as of 2026 are Littelfuse, Inc., Omega Engineering, Inc., and Advanced Energy Industries, Inc. These companies provide a range of fiber optic sensors for object detection, temperature, strain, and current measurement in industrial environments. Their sensors are valued for flexibility, small sensor heads, and resistance to electromagnetic interference, making them suitable for high-temperature, chemical, or oil-rich environments .

Distributed Fiber Optic Sensing (DFOS) Providers

Silixa specializes in distributed temperature, strain, and acoustic sensing solutions, particularly for oil & gas and industrial sectors. Their DFOS systems enable real-time monitoring over long distances, supporting safety, sustainability, and operational efficiency . FiberSense focuses on urban and marine environments, using AI and machine learning to filter noise and detect critical events. Their platform, DigitalAsset™ , provides actionable insights for infrastructure management, pipelines, and city monitoring, offering scalable and highly accurate sensing solutions .

Emerging and Specialized Companies...

Article Content

Distributed Fiber Optic Sensing and Monitoring

Sintela is Leading distributed fiber optic sensing company offering monitoring solutions for mining,

Global Fiber Optic Sensing Company | OptaSense

Luna Innovations delivers fiber optic sensing solutions across more than 40 countries, protecting pipelines, borders, and

Distributed Fiber Optic Sensing | OptaSense

OptaSense is a global leader in distributed fiber optic sensing (DFOS), providing advanced monitoring solutions that transform

Fiber Optic Sensors | Suppliers | Photonics Buyers' Guide | Photonics ...

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

Distributed Fiber Optic Sensing and Monitoring Company | Sintela

At Sintela, we are redefining the future of Distributed Fiber Optic Sensing (DFOS) technology. As a global leader in advanced

Home | Fiber SenSys Inc.

By co-locating our sensor with data fibers, we can detect disturbances created when an intruder tries to tap

Fiber Optic Sensing Association (FOSA)

The Fiber Optic Sensing Association (FOSA) is dedicated to accelerating the use of distributed and quasi-distributed optical fiber

Fiber Optic Sensing

VIAVI provides Distributed Temperature Sensing (DTS), simultaneous Distributed Temperature and Strain Sensing (DTSS) and

Turning Fiber into a Sensing System: The Magic of

Imagine a world where the Internet doesn't just connect but senses—detecting earthquakes,

Optical Fiber Sensors: High Resolution Fiber Optic

Sensuron Optical Fiber Sensors Overview Sensuron's Optical Fiber Sensors enable engineers to collect

What is Fiber Optic Sensing?

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

Sensorlines | Distributed Fiber Optic Sensing Technology

Company Overview Engineering the Future of Infrastructure Intelligence Sensorlines is a leading distributed fiber optic sensing

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,

Fiber optic monitoring solutions

FOSINA is a French startup specialising in the design and commercialization of fiber optic sensing solutions. We combine these with

Cutting-Edge Fiberoptic Sensing | FiSens GmbH

FiSens develops, manufactures, and markets accurate fiberoptic sensor solutions based on fiber Bragg grating (FBG) sensor arrays

Luna Innovations | Fiber Optic Sensing and Measurement Systems

At Luna Innovations we are leveraging our novel fiber-optic sensing technology to unlock new possibilities in geotechnical and civil

About Us

AP Sensing's story is one of innovation, expertise, and a commitment to delivering reliable fiber optic sensing solutions. With roots

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

Our Technology

Prisma Photonics Hyper-Scan Fiber-Sensing™ is the best solution for monitoring infrastructure, is a quantum leap in optical fiber

Fiber Optic Sensing System

HAWK's Praetorian Fiber Optic Sensing System delivers real-time distributed acoustic sensing (DAS) for pipelines, conveyors,

Optical Fiber Sensing : Products & Solutions | NEC

Optical communication and AI technologies are the fields of expertise in which NEC has been leading the

FiberSense

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

OSENSA Innovations | Fiber Optic Temperature Sensing & Partial ...

Leading developer of fiber optic temperature sensing and partial discharge monitoring solutions for switchgear, data centers, energy,

Turn light into valuable data with fiber optic sensing | PhotonFirst

PhotonFirst is a pioneer in next-generation fiber optic sensing solutions. Our mission is to empower our customers with the data they

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