

Common Brands and Models of Fiber Optic Sensors

Ordering information

NO.	1	2	3	4	5	6
Model	SPI2001	SPI2002	SPI4004	SPI4005	SPI2002	SPI2004
Product name	Patch Panel	Patch Panel	Patch Panel	Patch Panel	Patch Panel	Patch Panel
Illustration						
HU	1	2	4	1	2	4
Maximum number of cores	144	288	576	144	288	576
Product size (including modules and adapters)	482.6*271*1744 mm	482.6*271*1763 mm	482.6*271*1777 mm	482.6*271*1744 mm	482.6*271*1763 mm	482.6*271*1777 mm
Standard color code	RAL9005	RAL9005	RAL9005	RAL9005	RAL9005	RAL9005

Article Overview

Some of the most recognized brands of fiber optic sensors include Littelfuse, Omega Engineering, Advanced Energy Industries, Tekni-Plex, DuPont, Amcor, Berry Global, and UFP Technologies.

Fiber optic sensors are widely used in industrial automation, structural health monitoring, aerospace, energy, and manufacturing due to their immunity to electromagnetic interference, high sensitivity, and ability to operate in harsh environments . Common brands and manufacturers include:

- Littelfuse, Inc. – Known for a broad range of fiber optic and electrical sensing solutions .
- Omega Engineering, Inc. – Offers fiber optic sensors for temperature, strain, and object detection applications .
- Advanced Energy Industries, Inc. – Specializes in precision sensors for industrial and energy applications .
- Tekni-Plex – Focuses on distributed fiber optic sensors and material innovations .
- DuPont – Provides engineered fiber solutions for sensing and monitoring .
- Amcor – Supplies fiber optic materials and components for industrial sensing .
- Berry Global – Offers specialized fiber optic products for monitoring and automation .

Article Content

Fiber Optic Sensors: Fundamentals and Applications

Presentation Focus The major focus of this presentation will be on distributive fiber optic sensors which has seen the greatest usage

Fiber Optic Sensor

This paper reviews the fiber optic sensors that have been developed and applied to measure cable forces, including fiber Bragg

Inside Fiber Optic Sensors: Categories, Materials, and Core

Fiber optic sensors are sophisticated devices that utilize light transmitted through optical fibers to detect and measure

FIBER-OPTIC SENSORS

for applications requiring highest precision in combination with limited mounting space or for applications requiring the reliable

What is Fiber Optic Sensing?

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

Fibre Optic Sensors – Mouser Europe

Fibre Optic Sensors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Fibre Optic Sensors.

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

Optical Fibre-Based Sensors—An Assessment of Current Innovations

Optical fibre sensors are an essential subset of optical fibre technology, designed specifically for sensing and measuring several

Optical Fiber Sensors: An Overview

This chapter presents an overview of fiber optic sensors and their applications. It also describes new optical materials that are being

What is a fibre optic sensor? | Sensor Basics: Principle ...

This site provides information useful for people involved in manufacturing to select sensors. A fibre optic sensor is a photoelectric

What Are Fiber Optic Sensors and How to Choose the Right One?

This article introduces optical fiber sensors, covering their definition, principle, types, applications, selection specs and

Optical Fiber Sensors and Sensing Networks: Overview of the Main ...

Therefore, the integration of optical fiber sensors in WSNs introduces benefits and new capabilities for the design of advanced hybrid

Top Companies in Distributed Fiber Optic Sensors 2034

Delve into the world of cutting-edge sensing technology as we unveil the top companies revolutionizing the field of distributed fiber

Optical Fiber Sensing

Optical fiber sensing refers to the use of optical fibers to measure various parameters such as temperature, strain, and pressure by

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

Explore 72 top manufacturers and suppliers of Fiber Optic Sensors in our comprehensive photonics buyers' guide. A fiber optic

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

Special Issue "Fiber Optic Sensors and Applications": An Overview

We present here the recent advance in exploring new detection mechanisms, materials, processes, and applications of fiber optic

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