

Which companies manufacture fiber optic temperature sensors



Article Overview

Leading companies in fiber optic temperature sensing include OSENSA Innovations, Neoptix, Luna, and COMEM, offering solutions for industrial, high-voltage, and laboratory applications.

Key Companies and Offerings

OSENSA Innovations specializes in fiber optic temperature sensing and partial discharge monitoring for switchgear, transformers, data centers, and life sciences. Their sensors are immune to electromagnetic interference, high voltage, RF, and magnetic fields, making them suitable for critical industrial applications. Neoptix designs and manufactures fiber optic temperature sensors for transformer windings, laboratory, industrial, and medical applications. Their products are optimized for high-voltage and microwave/RF environments, emphasizing accuracy, cost-effectiveness, and reliability. COMEM produces fiber optic sensors using Gallium Arsenide (GaAs) crystals at the fiber tip, providing highly accurate measurements in environments with microwave radiation or strong electromagnetic fields. Their sensors are fully non-metallic and dielectric, ensuring immunity to EMI/RFI and suitability for harsh industrial conditions. Luna Innovations offers high-definition distributed temperature sensing using Rayleigh backscatter in optical fibers, delivering sub-millimeter spatial resolution. Their fiber Bragg grating (FBG) sensors allow multiplexed, multi-point temperature monitoring over large areas, ideal for structural health monitoring and industrial applications.

Technologies and Applications

Article Content

Top Industrial Fiber Optic Temperature Sensors Companies ...

ABB: Global leader offering robust fiber optic sensors with high accuracy and integration capabilities. Siemens: Known

Top 10 Fiber Optic Temperature Sensor Manufacturers & Suppliers 2026

Below is a comprehensive comparison of the top 10 fiber optic temperature sensor manufacturers and exporters

Fiber Optic Temperature Sensor DTSX | Yokogawa India

Meanwhile, deteriorating facilities, the aging of veteran employees, and a shortage of personnel continue to pose significant

Fiber Optic Temperature Sensors: Types, Working & Applications

Fiber optic temperature sensors offer superior performance compared to these techniques, thanks to their numerous benefits. This

Distributed Fiber Optic Temperature Sensor

Traditional temperature measurements such as point measurements or IR cameras may not provide the same level of coverages as

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

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

Temperature Sensing

Fiber optic temperature sensing supports the international tendency to increase the situation awareness of production or industrial

Fiber Optic Temperature Sensing and Measurement

Measure temperature with fiber optic sensors for high-resolution distributed and multipoint monitoring in batteries, processes, and

Optical Temperature Sensors – fiber Bragg gratings, point sensors ...

This article provides a comprehensive overview of optical temperature sensors, which utilize optical technology, particularly fiber

Neoptix Fiber Optic Temperature Sensors, Probes and Transducers

Neoptix is a fast paced, imaginative and agile company that designs and manufactures fiber optic temperature sensors for manual

Fiber Optic Temperature Sensors

The fiber optic temperature sensor system consists of a fiber optic probe and a temperature converter. Our probes include our

Fiber Optic Sensors & Transducers its Types and

FluoroSenz is a single point temperature measurement system, BraggSenz and DTSenz are used for multi

Fiber Optic Sensors & Transducers its Types and

Manufacturer of High-Performance Fiber Optics Sensors. Delivering Accurate, Reliable Sensing Solutions

Fiber Optic Temperature Sensor

Find Fiber Optic Temperature Sensor related suppliers, manufacturers, products and specifications on GlobalSpec - a trusted source

Fiber optic temperature sensor, Fiber optic temperature

Find your fiber optic temperature sensor easily amongst the 19 products from the leading brands (Liebherr,

Fiber Optic Temperature Sensor DTSX

Yokogawa Electric's Fiber Optic Temperature Sensor DTSX solves these problems. Predictive maintenance using fiber optic

Fiber optic temperature sensor-temperature monitoring

We are the TOP 10 Fiber Optic Temperature Measurement System Company in 2025, no need to continue

Fiber Optical sensors for Industrial applications

Fiber optic solutions for industrial applications: temperature, pressure, displacement, strain by Opsens

Top 10 manufacturers of fiber optic temperature sensors

This article introduces the principle of fiber optic temperature sensors, the top 10

Fiber Optic Sensors

Advanced Energy offers highly reliable and precise fiber optic sensors for temperature measurement and sensing applications. The

In-Depth Overview of Fiber Optic Temperature Sensors

A fiber optic temperature sensor is a temperature measurement device that uses optical fibers as the sensing medium. Unlike

Fiber Optic Temperature Sensor Market Size, Share & Forecast

Fiber Optic Temperature Sensor Market Executive Summary The fiber optic temperature sensor market represents a

Fiber optic sensors

Our fiber optic sensors use a Gallium Arsenide (GaAs) crystal at the fiber tip, making them ideal for highly accurate temperature

Top 10 Fiber Optic Temperature Sensing System Manufacturers

The three core technologies are fluorescent fiber optic sensors, distributed temperature sensing (DTS), and fiber

10 Fiber Optic Temperature Sensor Manufacturers in 2026

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

255 Temperature Sensor Manufacturers in 2026

255 Temperature Sensor Manufacturers in 2026 This section provides an overview for temperature sensors as well as their

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.e-motional.eu>

Email: info@e-motional.eu

Phone: +49-30-657-8924

Address: Friedrichstraße 101, 10117 Berlin, Germany

This document is for informational purposes only. Specifications subject to change without notice.

