

Taiwanese manufacturer of fiber optic temperature sensors



AI Overview

RiKO OPTO-ELECTRONICS TECHNOLOGY CO., LTD. is a leading Taiwanese manufacturer of fiber optic sensors, including temperature sensors. Key Manufacturer: RiKO. Founded in 1988, RiKO OPTO-ELECTRONICS TECHNOLOGY CO., LTD. specializes in fiber optic sensors, photo sensors, proximity sensors, and capacitive sensors, with a strong focus on industrial automation applications. RiKO emphasizes high-quality production, extensive R&D, and versatile product development, making it a reliable supplier for global markets. Their fiber optic sensors are designed for precise and stable measurements, suitable for harsh industrial environments where electromagnetic interference or high voltages are present. Other Notable Taiwanese Companies: While RiKO is a primary manufacturer, Taiwan hosts a growing market for distributed fiber optic temperature sensors, driven by industries such as energy, manufacturing, pharmaceuticals, and civil engineering. Key applications include: Utility monitoring: Temperature along pipelines and electrical grids; Industrial process control: Monitoring high-temperature processes; Structural health monitoring: Civil engineering and infrastructure safety; Safety and security: Fire detection and perimeter monitoring. The market utilizes both multi-mode fiber for short-distance industrial applications and single-mode fiber for high-sensitivity, long-distance measurements. Technical Advantages: Taiwanese fiber optic temperature sensors often feature: Non-metallic, dielectric design for immunity to EMI/RFI and microwave interference; High accuracy and repeatability in extreme environments; Integration with monitoring devices for real-time temperature tracking; Customizable probes for small or hard-to-reach areas. These sensors outperform traditional RTDs or thermocouples in high-voltage, magnetic, or harsh industrial settings, making them ideal for critical...

Article Content

Fiber optic temperature sensor, Fiber optic temperature probe

Find your fiber optic temperature sensor easily amongst the 19 products from the leading brands (SAB, TEXYS, TEMPSSENS, ...) on DirectIndustry, the industry specialist for your professional purchases.

Fiber optic sensors

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

Top 41 Sensor Manufacturers in Taiwan (2026) | ensun

FineTek Co. is a prominent manufacturer of LPWAN smart sensors for IoT, including their EST110 multi-point temperature sensor, which is integral to their grain silo

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 and automated measurements for transformer windings temperature

Fiber Optic Temperature Sensor DTSX | Yokogawa India

Using sensing technology that takes advantage of the characteristics of fiber optic cable, DTSX is a temperature sensor that can be laid out following the shape of the object to be measured. By

Home | Hamamatsu Photonics

The official website of Hamamatsu Corporation whose mission is to advance science and industry through photonic technologies. Our products include optical sensors and components, cameras, light

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 look at the list of 10 fiber optic temperature sensor manufacturers and

Top 10 Fiber Optic Temperature Sensing System Manufacturers

Fiber optic temperature sensing systems measure temperature using light transmitted through optical fiber — entirely immune to electromagnetic interference and safe for high-voltage

The Taiwan Distributed Fiber Optic Temperature Sensor Market

The Taiwan Distributed Fiber Optic Temperature Sensor market report provides a comprehensive overview of current trends and future projections, focusing on product type,

Optical Fiber Sensors for High-Temperature Monitoring: A Review

This paper reviews the sensing principle, structural design, and temperature measurement performance of fiber-optic high-temperature sensors, as well as recent significant

Fiber Optic Temperature Sensing and Measurement

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

List of Temperature Sensor companies in Taiwan

Established in 1995, Diing Tai Electronics Co Ltd is a professional manufacturer of up-to-date, high-tech NTC thermistors. Our product range includes series temperature compensation, surge current

Temperature Sensors Suppliers in Taiwan

Locate Temperature Sensors suppliers, manufacturers & distributors in Taiwan. Interactive map of Taiwan provided.

Distributed Fiber Optic Temperature Sensor

Yokogawa's DTSX product family is engineered with a variety of fiber optic sensing cables that provide continuous temperature sensing for long distances. Our fiber optic sensor temperature measurement

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

Leading developer of fiber optic temperature sensing and partial discharge monitoring solutions for switchgear, data centers, energy, and life sciences, delivering critical insights for electrical

Opsens Solutions| Fiber Optic Temperature Sensors

Fiber-optic temperature sensors for industrial applications involving harsh environments such as high voltage, electromagnetic interferences, microwaves, and Radio-Frequency energy

Fiber Optic Sensors & Transducers its Types and

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

Fiber optic temperature sensor-temperature monitoring

Fiber optic temperature sensor, Distributed fiber optic temperature measurement system, Fiber optic temperature sensor for transformer, Advanced production

Optical Fiber Based Temperature Sensors: A Review

Among all the reported applications, optical waveguides have been widely exploited to measure the physical and chemical variations in the

In-Depth Overview of Fiber Optic Temperature Sensors

2. Working Principles Fiber optic temperature sensors operate based on changes in light properties as it travels through the fiber. The key sensing mechanisms include:

2.1 Brillouin Scattering Temperature

Optical Fiber Sensors for High-Temperature Monitoring: A Review

High-temperature measurements above 1000 °C are critical in harsh environments such as aerospace, metallurgy, fossil fuel, and power production. Fiber-optic high-temperature sensors are gradually

OTG-F fiber optic temperature sensor, probe and transducer

GaAs-based fiber optic temperature sensor for demanding industrial environment with high voltage, RF and microwave.

Contact Us

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