

Article Overview

B-SENS and Thermibel are leading Belgian companies offering optical fiber-based temperature measurement solutions.

B-SENS

B-SENS, a spin-off from the University of Mons founded in 2016, specializes in OEM temperature, strain, and gas sensors based on optical fiber gratings (FBG sensors). Their solutions include turnkey read-out software for real-time data analysis and communication, making them suitable for monitoring furnaces, pipes, machines, buildings, aircraft, and wind turbines. B-SENS optical fiber sensors can measure temperatures up to 1050°C, and their systems are fully customizable and easy to install, including hydrogen leak detectors and early flame detection systems .

Thermibel

Thermibel, established in 1981, is a Belgian company that manufactures temperature sensors and measuring instruments, including Pt100 cable sensors that can be combined with HART converters for precise industrial temperature measurement. Their systems measure temperatures from -200°C to +250°C and are adaptable to various industrial environments. Thermibel also provides calibration services through their BELAC-accredited temperature laboratory, ensuring high accuracy and compliance with standards .

Optical Cable Suppliers

For general optical cable manufacturing and distribution in Belgium, companies like Belram supply a wide range of fiber optic cables, connectors, and adapters for professional applications in telecom, industrial, medical, and audiovisual sectors. They offer both copper and fiber optic cabling solutions suitable for integration with temperature measurement systems . Additionally, Trademo provides a directory of optical cable manufacturers and suppliers in Belgium, which can be useful for sourcing specialized optical cables .

Summary

- o B-SENS: Advanced optical fiber temperature sensors (FBG), high-temperature applications, customizable solutions.
- o Thermibel: Pt100 cable sensors, industrial temperature measurement, accredited calibration services.
- o Belram & Trademo-listed suppliers: Fiber optic cables and connectors for integration with measurement systems. These companies provide a combination of sensor technology, optical fiber solutions, and industrial-grade measurement systems, making Belgium a strong hub for optical temperature measurement



Belgian manufacturer of temperature measuring optical cables

solutions.

We are recognized in Belgium where we are the main producer as well as abroad. We are currently expanding our activities to

Using sensing technology that takes advantage of the characteristics of fiber optic cable, DTSX is a temperature sensor that can be

We are a thermal engineering and specialized cable manufacturer established in 1990. Our products include contact and infrared

Distributed Temperature Sensing (DTS) systems provide temperature information for accurate thermal monitoring, fire detection, and

The optimal solution for the new objectives in which new electrical installations are executed is to deliver low voltage electrical

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

Fiber Optic Sensing Solutions for Extreme Environments Introduction to Fiber Optic Sensing Lightera is a

What is a Distributed Fiber Optic Temperature Sensor? Yokogawa's DTSX product family is engineered with a variety of fiber optic

Fiber Optics Introduction to Fiber Optics Temperature Measurement Fiber optics are essentially light pipes. The group of sensors

By using the fiber itself as the sensing element, distributed temperature sensing measures the temperature distribution over the

Our extensive selection of temperature sensor components, including advanced Pt100 sensors, mineral insulated thermocouple

B-CABLES is met zijn Smartcontrole-en EMC kabels aanwezig in tal van sectoren. Omdat onze kabels voldoen aan de hoogste EN

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



Belgian manufacturer of temperature measuring optical cables

B-SENS designs and develops OEM temperature, strain & gas sensors based on optical fiber gratings. These full sensing solutions

What Is Distributed Temperature Sensing? Distributed temperature sensing (DTS) measures temperature distribution over the length

Nous sommes une entreprise belge spécialisée dans la fabrication et la distribution de capteurs de température et d'instruments de

Web: <https://bssoda.pl>

