

German Fiber Optic Sensor Research Company



Overview

FiSens develops, manufactures, and markets accurate fiber optic sensor solutions based on fiber Bragg grating (FBG) sensor arrays and fiber-integrated spectrometers. Our optical fibers offer high sensing multiplexing capability on the smallest possible footprint, while maintaining mechanical and. Fiber optic and photonic measuring systems drive development of innovative concepts of measurement and regulation while also opening up whole new areas of applied use. Fraunhofer IPT develops fiber-optic sensors for challenging measurement tasks such as measuring the smallest of boreholes. Using fiber-integrated beam steering and shaping, individual sensors up to a diameter of 80 microns can be manufactured.



Article Content

Faseroptische Sensortechnologie | AP Sensing

Mit einer bewährten Erfolgsbilanz sorgen unsere Distributed Fiber Optic Sensing (DFOS)-Lösungen für zuverlässigen Schutz von

Optical Fiber Sensor Research and Industry in Germany

German fiber sensor research and industry achieved remarkable milestones in the 1980ies and 1990ies, such as first field tests of

Leibniz-Institut für Photonische Technologien e.V.

German fiber sensor research and industry achieved remarkable milestones in the 1980ies and 1990ies, such as first field tests of

Home heracle GmbH

We are dedicated to help OEM device manufacturers in advanced industrial, medical and optical sensor applications worldwide to

Distributed Fiber-Optic Sensing Solutions

With its unique and patented Brillouin BOFDA and BOFDR technology, fibrisTerre takes the next step in reliability and ease of use,

fionec fiber optics – Optical Sensor Technology

fionec GmbH is technology leader when it comes to innovative precision optical fiber measurement systems and tailor-made fiber

Luna Innovations | Fiber Optic Sensing and

Luna fiber optic sensing and measurement systems help design, build and maintain products and

Optical Sensors companies from Germany ⇒ chemeurope

The business directory for optical sensors companies All companies incl. products, news & contact information Find suppliers now!

Insights into german fiber optics & telecommunication development

Industry Insight into the Fiber Optic Expansion in Germany The German Broadband Association (BREKO) is the leading fiber optic

Optical Fibers & OEM Fiber Assemblies | CeramOptec

Optical fibers & OEM fiber assemblies – precisely manufactured for laser technology, industry, medical applications & research.

Cutting-Edge Fiberoptic Sensing | FiSens GmbH

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

Optical fiber sensor research and industry in Germany: review and

Since more than 30 years, the increased research, technology development and commercialization of optical fiber sensors combined

Optical Sensor Technology

PreSens is a world leader in the field of optical sensor technology. We develop, manufacture and distribute sensor systems for

Institute for Applied Optics and Precision Engineering

To cover the entire photonic process chain, we use our extensive expertise in the following areas: optical and mechanical system

Distributed Fiber Optic Sensing Solutions | AP Sensing

We create the most compelling fiber optic sensing solutions, empowering the world optimize assets, protect lives and the environment.

Recent Advances in Fiber Optic Sensor Technology

In recent years, optical fiber sensing technology has resulted in significant advancements in various fields, including power,

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Research

FiSens aims to develop a fiber optical fluorescence reader to be used as a handheld device for evaluating fluorophores

Development of fiber optic sensor technology

Development of fiber optic sensor technology In industrial manufacturing, especially in automotive, microsystems and medical

Fiber optic sensors and fiber optics | Baumer Germany

A fiber optic sensor and two fiber optics made of plastic or glass fibers make up a fiber optic system. The sensor contains a light

Development of fiber optic sensor technology

Fraunhofer IPT develops fiber-optic sensors for challenging measurement tasks such as measuring the

Top startups in Sensors in Germany (Dec, 2025)

4. Fos4X Fos4X provides fiber optic sensors that are based on real-time algorithms and have dynamic signals on the

Fiber Optic Measurement Systems

Fiber optic measurement systems offer various advantages over conventional measurement technology. Therefore, we decided to

Optical Sensors

Small optical sensors based on optical fibers and optical microresonators are explored in fields of

Research Focs: Optical Sensors

The application areas of fiber-based optical sensors are diverse and have been significantly expanded in recent years. The main

Photonics Industry in Germany

Berlin-Brandenburg (OpTecBB) A leading ecosystem supporting optics, photonics, microelectronics, and quantum technologies,

Fiber Optical Sensor Systems

With its three R& D groups, the Fiber Optical Sensor Systems Department focuses on application-oriented research based on

Fiber Optical Sensor Systems

They play a role in the optimization of energy efficiency and serve as a key innovation factor for new and

Contact Us

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