

Belgian Opsens fiber optic sensors

Article Overview

Belgium hosts a range of fiber optic sensor suppliers and innovative companies, offering solutions for industrial, structural, and automation applications.

Key Belgian Companies and Innovators

Sentea is a notable Belgian scale-up originating from Ghent University and imec, specializing in silicon photonics-based fiber optic sensors and FBG (Fiber Bragg Grating) interrogators. Their technology enables accurate structural health monitoring, predictive maintenance, and operational efficiency improvements in sectors like wind energy, civil infrastructure, heavy industry, and transport. Sentea's sensors are particularly robust in harsh environments and cost-effective due to their small, silicon photonics-based design (Sentea) . Other Belgian companies include SENSY SA, which develops force and torque sensors, and engineering firms that integrate fiber optic technology for automation and instrumentation applications. These companies often provide customized solutions for industrial measurement and monitoring (Europages) .

Suppliers and Distributors

Belgium has several distributors offering a wide range of fiber optic sensors:

- Mouser Belgium and Farnell Belgium provide extensive inventories of fiber optic sensors, datasheets, and technical support for industrial and laboratory applications .
- KEYENCE International Belgium offers high-performance fiber optic sensors with features like automatic real-time adjustment, OLED displays, and robust fiber units...

Article Content

May 21, 2026

OPP-C Fiber optic pressure sensor

Opsens Solutions' OPP-C, MEMS-based fiber-optic pressure sensor, is perfectly tailored to meet the challenges of pressure

May 04, 2026

Fiber-Optic Pressure Measurement

Opsens Solutions' fiber optic pressure measurement systems are based on white light interferometry

Aug 26, 2025

ODP-A fiber optic displacement sensor, probe and transducer.

Opsens' ODP-A fiber optic displacement sensor is designed to offer high precision in the most demanding environments. Combined

Sep 27, 2025

OpSens Solutions Fiber Optic Sensing Technology Selected for the ...

OpSens Solutions will supply RI with fiber optic absolute and differential pressure sensors that will provide critical

Nov 08, 2025

Fiber Optic Strain Sensors

Opsens Solutions OSP-A fiber optic strain transducers are designed to provide accurate deformation measurement in the most

Sep 26, 2025

Opsens Solutions temperature, pressure, strain,

Fiber Optic Temperature Sensors High accuracy and repeatable optical temperature sensors for your needs.

Nov 07, 2025

B-SENS - Creative sensing solutions

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

Jun 14, 2026

RP Photonics Buyer's Guide

Directory of Photonics Suppliers We have 1765 registered photonics suppliers in this Buyer's Guide — the most professional

Sep 24, 2025

Opsens fiber optic sensor company for FFR and Oil & Gas.

Fiber optic sensors manufacturer offering solutions for interventional cardiology
Fractional Flow Reserve

Jun 06, 2026

Sensor Partners | Specialist in sensors and thermography

As a leading supplier of sensors and thermography solutions We help companies improve production

Jul 10, 2026

OTP-M fiber optic temperature sensor, probe and transducer

High accuracy fiber optic temperature sensor for industrial applications. Opsens Solutions' OTP-M is designed to perform in

Jun 09, 2026

About Us

About Opsens Fiber optic sensors manufacturer offering solutions for Life Sciences, Medical, Oil and Gas, Power Transformer,

Oct 17, 2025

Bare sensor

OpSens' OPP-M200 is a MEMS-based fiber optic pressure sensor designed for human and animal

Jul 11, 2026

OPP-B Fiber Optic Pressure Sensor

WLPI-based fiber optic pressure sensor for water level, geotechnical, Aerospace Defense, aviation, transportation, test and

Jan 01, 2026

Fiber Optical sensors for Industrial applications

Fiber optic solutions for industrial applications: temperature, pressure, displacement, strain by Opsens Solutions. Contact us.

Mar 23, 2026

Fiber Optic Pressure Sensors

OpSens OPP series fiber optic pressure transducers are designed to provide accurate pressure measurement in the most adverse

Oct 01, 2025

Optical pressure sensors

The optical pressure sensors in the OPP series from Opsens deliver outstanding measurement results

Nov 14, 2025

Fiber optic sensor & transducer for structural health monitoring

Fiber optic sensor for strain, linear displacement and deformation monitoring. Designed for structural health monitoring. Easy to

Feb 10, 2026

Opsens est fabricant de capteurs à fibre optique

Fabricant de capteurs à fibre optique offrant des solutions en cardiologie interventionnelle, le pétrole et gaz et le domaine industriel.

Jun 29, 2026

Fiber optic strain sensors and deformation gages

The miniature size and high accuracy of Opsens fiber optic strain are perfect to measure any change in dimension due to stress,

Jun 12, 2026

FIBER OPTIC PRESSURE SENSOR

The OPP-B pressure sensor is compatible with all Opsens Solutions' WLPI (Patent #7,259,862) signal conditioners. With the inherent

Aug 19, 2025

OTG-F Fiber Optic Temperature Sensor

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

Jan 06, 2026

Opsens a fractional flow reserve, Oil & Gas and fiber optic sensor

About OpSens Fiber optic sensors manufacturer offering solutions for interventional cardiology Fractional Flow Reserve FFR, Oil and

Feb 21, 2026

OPP-GF Fiber Optic Pressure Sensor

Opsens Solutions' OPP-GF, MEMS-based fiber optic pressure sensor specially packaged for spot welding installation. Its low and

Apr 05, 2026

Fiber optic pressure sensor / MEMS / OEM / miniature

DESCRIPTION Opsens? OPP-M is a MEMS-based fiber optic pressure sensor designed for human and animal physiological

Contact Us

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