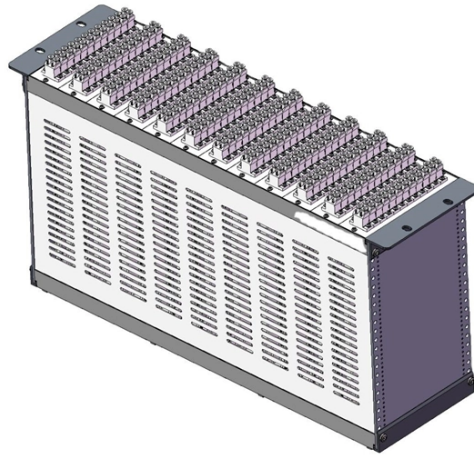


FTC Fiber Optic Sensor



Article Overview

FTC Fiber Optic Sensors are precision optical sensors used for detecting changes in light, strain, vibration, or temperature along optical fibers, widely applied in industrial automation and infrastructure monitoring.

Overview

FTC Fiber Optic Sensors, such as the FTC-220-05 and FTC-320-10, are produced by companies like F&C Sensing Technology and Autonics. These sensors convert optical fibers into sensing elements, allowing detection of physical changes such as displacement, vibration, or temperature variations. They are designed to meet international standards, including CE certification and RoHS compliance, and are often used as alternatives to European, American, or Japanese sensor products .

Key Features

- **High Sensitivity and Accuracy:** FTC sensors detect minute changes in light backscattering or reflection along the fiber, enabling precise measurement of strain, vibration, or temperature .
- **Flexible Deployment:** The fiber itself acts as the sensor, allowing installation in confined or remote areas without line-of-sight requirements .
- **Long-Distance Monitoring:** Depending on system configuration, fiber optic sensing can cover continuous lengths exceeding 45 km, with detection at every point along the fiber .
- **Compatibility:** Many FTC sensors are compatible with fiber optic amplifiers and multichannel temperature converters, supporting integration into larger monitoring...

Article Content

Sep 20, 2025

FTC-220-05-Special optical fiber-F& C sensors

Our main products includes: fiber optic sensor, fiber optic amplifier, proximity sensor, photoelectric sensor, ultrasonic sensor, label

Feb 02, 2026

Fiber-optic Sensors – distributed sensing, temperature,

Fiber-optic sensors are optical sensors based on fiber devices. They are often used for sensing

Feb 12, 2026

PHOTON FGA-0174E Fiber Optic Temperature Sensor/Converter FTC

Genuine Item PHOTON FGA-0174E is a genuine, high-precision Fiber Optic Temperature Sensor/Converter. This unit uses light to

Jun 03, 2026

Fiber Optic Temperature Sensors

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

Jan 24, 2026

Photon FGA-0173A Fiber Optic Temperature Sensor FTC-DIN-SST

Find many great new & used options and get the best deals for Photon FGA-0173A Fiber Optic Temperature Sensor FTC-DIN-SST

Apr 02, 2026

Fiber Optic Sensors | KEYENCE America

Fiber Optic Sensors A fiberoptic sensor that uses diverse fiber units to support various applications in

Sep 01, 2025

FTC-320-10

It is applied to 40% of sensing distance for BF3RX. ※Min. sensing target is a

Jul 03, 2026

Turning Fiber into a Sensing System: The Magic of

Imagine a world where the Internet doesn't just connect but senses—detecting earthquakes,

Dec 31, 2025

Fiber Optic Temperature Sensor DTSX

The DTSX fiber optic temperature sensor, which uses optical fiber for the temperature sensor, quickly

Oct 05, 2025

FTC-220-05-Special optical fiber-F& C sensors

F& C Sensing Technology (Hunan)Co.,Ltd, Wholly-owned subsidiaries of F& C Sensing Technology, was established in 2004 in

Oct 11, 2025

Photon Control FTC-DIN-SSMA-2512-LUM Fiber Optic Temperature

Photon Control FTC-DIN-SSMA-2512-LUM fiber optic temperature sensor supplied by Longi with real photos, model checking,

Nov 04, 2025

FGA-0172A PHOTON CONTROL Fiber Optic Temperature Sensor Cntl

The FTC-DIN-SSMA-2512 Controller is a user-friendly device that provides an intuitive interface for configuring and monitoring the

Jul 16, 2026

Fiber Optic Sensor FTC-220-05R – WowToolz

Buy fiber optic sensor FTC-220-05R. Fast B2B supply from Korea. Worldwide shipping. Request a quote.

Dec 15, 2025

Fiber Optic Temperature Sensors

Fiber Optic Temperature Sensors provide access to more comprehensive data in environments where traditional electrical sensors

May 06, 2026

FTC-220-05

It is applied to 40% of sensing distance for BF3RX. ※Min. sensing target is a value measured opaque material in accurate output

May 24, 2026

MKS Fiber Optic Temperature Sensor FTP

MKS Instruments, a prominent manufacturer, offers several fiber optic temperature monitoring solutions including the

May 07, 2026

1 pcs NEW IN BOX AUTONICS optical fiber sensor cable FTC-320-10

Find many great new & used options and get the best deals for 1 pcs NEW IN BOX AUTONICS optical fiber sensor

Jul 05, 2026

Special Issue "Fiber Optic Sensors and Applications": An Overview

We present here the recent advance in exploring new detection mechanisms, materials, processes, and applications of fiber optic

Mar 16, 2026

Distributed Fiber Optic Sensor Market Size, Share and Trends

In conclusion, the Distributed Fiber Optic Sensor Market is poised for significant growth, driven by technological advancements and

Aug 30, 2025

FTC-320-10 Autonics | Photoelectric, Industrial

FTC-320-10 - Through-Beam Optical Sensor 5.906" (150mm) from Autonics. View datasheets, pricing and

Jun 05, 2026

Product: O2 Flow-Through Cell FTC-PSt3

The sensors are fixed to color coded sticks, which can be attached to flow-through cells of different size

Mar 17, 2026

FGA-0173A PHOTON CONTROL Fiber Optic Temperature Sensor Cntl

Conclusion: The Photon Control FGA-0173A Fiber Optic Temperature Sensor with FTC-DIN-SST-2513 and EFGA-0173A offers high

Mar 11, 2026

Temperature Converters | Fiber Optic Temperature

MKS" fiber optic multichannel temperature converters are compatible with all fiber optic sensor probes and

Mar 04, 2026

PHOTON CONTROL FTC-DIN-SSMA-2512 FIBER

Find many great new & used options and get the best deals for PHOTON CONTROL FTC

Jul 15, 2026

FiberPatrol FP1150

FiberPatrol FP1150 Fiber Optic Sensor Intrusion Detection System. Detect and locate perimeter intrusions up to 10 km. Fiber Optic

Mar 07, 2026

Product: O2 Flow-Through Cell FTC-PSt3

Miniaturized chemical optical oxygen sensors integrated in flow-through cells (FTC-PSt3) allow non

Jan 29, 2026

Technology of Fiber-Optic Sensors | wenglor

Fiber-optic sensors detect objects and conditions by directing light to a test object and evaluating the intensity change of the

May 22, 2026

Fiber Optic Shape Sensors: A comprehensive review

A Fiber Optic Shape Sensor (FOSS) can be defined as fiber optic cable with multiple cores and embedded strain

Contact Us

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

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

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

