

Autonics Fiber Optic Sensors



AI Overview

Autonics fiber optic sensors are high-precision optical detection devices designed for flexible, non-contact object sensing in industrial automation systems. Overview Autonics fiber optic sensors consist of fiber optic cables and amplifier units that detect objects by transmitting and receiving light through the fiber, enabling precise detection even in confined or harsh environments. These sensors separate the sensing head from the electronics, allowing flexible placement and modular installation, and support both diffuse and opposed optical arrangements for versatile applications. Key Features Fast Response: Amplifiers offer response times from 50 μ s to 10 ms, suitable for high-speed object detection. High Accuracy: Resolution up to 1/10,000, enabling detection of very small objects. Flexible Installation: Multiple head types (threaded, cylindrical, flat, L-shaped, U-shaped, stainless steel, plastic, area detection) and cable types (standard, flexible, break-resistant, heat-resistant, vacuum-resistant, waterproof, built-in lens) allow adaptation to diverse environments. Modular Amplifiers: Series like BFN, BF5, and BFX provide single or dual displays, multiple sensitivity and response speed settings, and mutual interference prevention for multiple units. Indicators and Display: LED indicators (TX/RX) and dual-display LCDs show incident light levels and set values for easy monitoring. Electrical Specifications: Operates on 12–24 VDC $\pm$ 10%, with NPN/PNP solid-state outputs and IP40 protection. Light Sources: Red, green, and blue LEDs with modulated wavelengths for stable detection. Applications Autonics fiber optic sensors are ideal for: Detecting small or fast-moving objects in automated production lines. Non-contact sensing in confined spaces or harsh mechanical layouts. Industrial automation tasks requiring repeatability, stability, and noise immunity. Integration with PCs or PLCs via communication modules like Modbus RTU, EtherCAT, and CC-Link for advanced control and monitoring. Advantages Compact and versatile design...

Article Content

Insightful Highlights in Digital Fiber Optic Amplifier ...

This report aims to deliver an in-depth analysis of the global Digital Fiber Optic Amplifier market, offering both quantitative and qualitative insights to help readers craft effective business ...

Fiber Optic Sensors | Autonics

Autonics provides a wide variety of sensors including proximity sensors, photoelectric sensors, fiber optic sensors, and pressure sensors, for maximum user efficiency. Fiber optics sensors consist of

Autonics Global

Autonics is globally trusted provider of comprehensive automation solutions for building smart factories providing sensors, controllers, safety, and SCADA.

Buy In Bulk Fiber Optic Sensor 2k+ | Alibaba

Discover high-quality fiber optic sensors at low prices, starting at \$29.42. Available for purchase with a minimum of 1 unit for verified suppliers, ideal for resale and available in bulk. Keyence FS-N11CP

AUTONICS FT-420-10 FIBER OPTIC CABLE SENSOR

Achetez AUTONICS FT-420-10 FIBER OPTIC CABLE SENSOR de Autonics. Composant industriel fiable, expédition rapide et qualité garantie.

AUTONICS

Products by AUTONICS in the category: Fiber-Optic Sensors | Order electronic components at TME. For your convenience, we are constantly expanding our offer with new items.

Fiber optic sensor head

Find out all of the information about the Autonics product: fiber optic sensor head FD/FT/FL/GD/GT series. Contact a supplier or the parent company directly to get

1PC New For Autonics Fiber Optic Sensor FD-320-05 SPOT STOCK

Find many great new & used options and get the best deals for 1PC New For Autonics Fiber Optic Sensor FD-320-05 SPOT STOCK *1h at the best online prices at eBay UK! Free delivery for many

The international Fiber Optic Low Pressure Sensor market ...

The Fiber Optic Low Pressure Sensor market is experiencing significant growth, driven by the increasing demand for precise pressure measurement in various industries such as oil and gas,

Autonics | Sensors

Autonics offers a diverse range of sensors designed for accurate detection and control in industrial automation. These include proximity sensors, photoelectric sensors, fiber optic sensors, and rotary

18 Fiber Optic Sensor Manufacturers in 2026

18 Fiber Optic Sensor Manufacturers in 2026 This section provides an overview for fiber optic sensors as well as their applications and principles. Also, please take a look at the list of 18 fiber optic sensor

FD-320-05 AUTONICS

AUTONICS FD-320-05 | Sensor: fiber-optic; Range: 0÷140mm; Len: 2m; Thread: M3; -40÷70°C - This product is available in Transfer Multisort Elektronik. Check

Significant Growth Anticipated in the Fiber Optic Current Sensor

The dynamic Fiber Optic Current Sensor Market is rapidly evolving as organizations seek to enhance resource utilization and minimize operational costs. Focused on efficiency and

AUTONICS BF5 SERIES MANUAL Pdf Download | ManualsLib

Summary of Contents for Autonics BF5 Series Page 1 BF5 Series Fiber Optic Amplifier Dual digital display type fiber optic amplifiers Photo PNP output model electric Features sensor Line-up Dual

One For Autonics New FDC-320-05 Fiber Optic Line Sensor Free

Find many great new & used options and get the best deals for One For Autonics New FDC-320-05 Fiber Optic Line Sensor Free Shipping at the best online prices at eBay UK! Free delivery for many

1pc Fibre Optical Sensor Autonics New BF3RX-P on *kk

Find many great new & used options and get the best deals for 1pc Fibre Optical Sensor Autonics New BF3RX-P on *kk at the best online prices at eBay UK! Free delivery for many products!

willet+2F+optic+fiber+cable Sensors | Newark Electronics

Buy Sensors. Newark Electronics offers fast quotes, same day dispatch, fast delivery, wide inventory, datasheets & technical support.

1PC New Autonics BF3RX Fibre Optical Sensor Free Shipping

Find many great new & used options and get the best deals for 1PC New Autonics BF3RX Fibre Optical Sensor Free Shipping at the best online prices at eBay! Free shipping for many products!

Autonics Photoelectric / Proximity / Fiber Optic Sensors

Photoelectric / Proximity / Fiber Optic Sensors are non-contact sensors used primarily to detect the presence or absence of an object that crosses its path. It can be also be used to count, such as

Fiber Optic Sensors

Fiber optic sensors are perfect solutions for various detection applications by using remote sensors with fiber optic cables and amplifiers.

Fiber Optic Photoelectric Sensors Market Size Analysis ...

The fiber optic photoelectric sensors market is segmented based on type, application, end-use industry, distribution channel, and region. Each segment influences demand patterns, pricing ...

AUTONICS Fiber Optic Sensors – DICS –

Sensors & Switches Fiber Sensors AUTONICS Fiber Optic Sensors Fiber optic sensors combine optic fiber cables and amplifiers to provide accurate detection of objects in various applications Showing

Omron Relay Sockets

Autonics Sensors Autonics Area Sensors Autonics Digital Panel Meters Autonics Fiber Optic Sensors Autonics Photoelectric Sensors Autonics Photomicro Sensors Autonics Proximity Sensors Autonics

Contact Us

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

Website: <https://www.mr-security.co.za>

Email: info@mr-security.co.za

Phone: +33 1 45 23 67 81

Address: 10 Rue de la Paix, 75002 Paris, France

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

