

How much does a through-beam fiber optic sensor cost



AI Overview

Through-beam fiber optic sensors typically range from \$20 to \$150 per unit depending on specifications, type, and supplier. Overview of Pricing Through-beam fiber optic sensors vary in price based on detection distance, light source type (infrared, laser, visible red), response time, and environmental resistance. Entry-level infrared sensors with standard M18 cylindrical housings can be found at lower prices, around \$20–\$50 per unit, while high-precision laser-based sensors with fast response times and long detection ranges may cost \$100–\$150 or more per unit. Prices also depend on certifications, durability, and compliance with industrial standards. Supplier Options Mouser Europe offers a wide range of through-beam fiber optic sensors with datasheets and inventory details, allowing you to compare models and prices directly. Applied Automation lists multiple Panasonic fiber sensor models, including emitter-receiver pairs and cylindrical or threaded designs, suitable for various industrial applications. ATO.com provides sensors with adjustable detection ranges (0–800mm), fiber lengths of 1–2 meters, and options for M3, M4, or M6 thread sizes. These sensors are CE-certified and designed for high stability and sensitivity in automated assembly and electronics manufacturing. Accio highlights that sensor pricing is influenced by technical specifications, environmental ratings, and industrial compliance, emphasizing total cost of ownership rather than just unit price. Key Considerations When requesting a price quote, consider the following factors: Detection distance and object size: Longer ranges and sub-millimeter detection increase cost. Fiber type and protection: Plastic, stainless steel, or copper-nickel plated fibers affect durability and price. Environmental resistance: Sensors resistant to high temperature, chemicals, or mechanical stress are more expensive....

Article Content

FT310 Fiber Optic Sensor,Through-Beam Reflection Fiber Optic,1m

Would you like to tell us about a lower price? Help others learn more about this product by uploading a video! A high-function amplifier and vast array of sensor head options provide easy solutions for the

Array Through-beam Fiber Optic Sensor

This Array Fiber optical sensor is ideal for a wide range of industries, including electronics manufacturing, packaging inspection, automotive production, industrial automation, and food and

Through Beam Fiber Optic Proximity Sensors | GlobalSpec

Fiber optic through beam sensor -- E20059 from ifm efector inc. For installation with limited mounting space. Operation as through-beam sensor. Long range. Resistant to various aggressive chemicals.

Through-Beam Fiber Optic Sensors

When it comes to Through-Beam Fiber Optic Sensors, you can count on Grainger. Supplies and solutions for every industry, plus easy ordering, fast delivery and 24/7 customer support.

Through Beam Sensor

Explore a wide range of our Through Beam Sensor selection. Find top brands, exclusive offers, and unbeatable prices on eBay. Shop now for fast shipping and easy returns!

Fiber optic sensors and fiber optics | Baumer USA

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 source (transmitter), typically an LED, and a photodiode (receiver). The

Through Beam Rectangular Fiber Optic Sensor

Choosing ATO's through beam rectangular fiber optic sensors to enjoy top performance! This fiber optic sensor has a 10mm/15mm/20mm detection range and lateral sensing mode for high efficiency and

Through Beam Fiber Optic Sensors - Mouser

Through Beam Fiber Optic Sensors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Through Beam Fiber Optic Sensors.

Thru-Beam/Opposed Mode Sensors | TRI-TRONICS

AC/DC Sensor with Timer, Relay, or Triac Output Self-contained, easy-to-use sensors available in a wide variety of sensing models (thru-beam, retroreflective, proximity and fiber optic) to fit virtually any

Through Beam Fiber Optic Sensor, M3/M4/M6

This through beam fiber optic sensor has high performance and professional design, thread size M3, M4, M6 optional, fiber length 1M and 2M to adapt to a variety of

Through-beam Fiber Optic Sensor

Through-beam Fiber Optic Sensor With high precision, superior sensitivity, and excellent environmental adaptability, this sensor meets diverse needs ranging from production line monitoring to complex

Overview of Photoelectric Sensors | OMRON Industrial Automation

Photoelectric Sensors detect photo-optical workpieces. OMRON provides many varieties of Sensor, including diffuse-reflective, through-beam, retro-reflective, and distance-settable Sensors, as well as

Radiography

Radiography is an imaging technique using X-rays, gamma rays, or similar ionizing radiation and non-ionizing radiation to view the internal form of an object.

Applications of radiography include medical

Fiber Optic Through-Beam Sensor, Right-Angle Type

Through-beam fiber optic sensor uses a right-angle head design for easy installation in narrow or restricted spaces. SUCH delivers reliable detection performance with a high-quality plastic fiber core

Through beam sensor price: Best deals in 2025

Laser-based through-beam sensors, offering superior accuracy and range, typically cost more than standard infrared variants. Conversely, mass production of M18 cylindrical housings has

Contact Us

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

Website: <https://umele-pestovani.eu>

Email: info@umele-pestovani.eu

Phone: +49 152 287 6349

Address: Neue Mainzer Straße 66-68, 60311 Frankfurt am Main, Germany

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