

Fiber Optic Through-beam Sensor Mounting Bracket



Summary of Content

A fiber optic through-beam sensor mounting bracket securely holds the sensor and its fiber optic heads in precise alignment for reliable detection in industrial applications.

Purpose and Function

Fiber optic through-beam sensors detect objects by transmitting light from a transmitter fiber to a receiver fiber across a target area. A mounting bracket ensures that both the transmitter and receiver heads are accurately aligned, stable, and protected from vibrations or misplacement, which is critical for consistent sensor performance. These brackets are particularly important in harsh environments or tight spaces where fiber optic sensors are preferred due to their small sensing heads and lack of electronics in the detection area.

Types and Features

- **Material and Construction:** Brackets are typically made from durable materials such as aluminum or high-strength plastics to withstand industrial conditions. Some are flexible resin or PA (66N) black material for resilience and vibration mitigation.
- **Design Variations:** Options include single-plate brackets, flexible square shaft brackets, and post stand sets. These designs allow mounting on flat surfaces, plates, or posts, and can accommodate both round and square shafts.

Article Content

Luoshida Ultra-Thin Flat Bracket Through-Beam Fiber Optic Sensor

Luoshida Ultra-Thin Flat Bracket Through-Beam Fiber Optic Sensor 260mm Detection Distance, Find Details and Price about Fiber

2720 Keyence Fiber Optic Sensor Flat Bracket

There are two sides and either side can be used as the fiber or the receiver. They are a mirror image of each other. Have any

Fiber Optic Sensor Cable, 1M Flat Bracket Type, Thru-beam, R2 POF,

This 1M (meter) fiber optic sensor cable is in stock and ready to ship on the same business day of the order. Our black thru-beam

Fiber Optic Sensors | KEYENCE America

The FU Series offers a wide variety of options including thru-beam, reflective, retro-reflective and definite reflective sensing heads.

Through-Beam

Their flat surfaces allow for precise alignment and stable mounting, while built-in mounting holes simplify

Fiber optic through beam sensor

All information about the E20827 at a glance. We assist you with your requirements. Technical data Mounting and Installation

Accessories light barriers

Our fibre optic cables enable the transmission of infrared light from or to a sensor. This allows the use of a light barrier in ambient

DCT-53TZ Sensor Fibre Optic Sensor Mounting Bracket Through

DCT-53TZ Sensor Fibre Optic Sensor Mounting Bracket Through-Beam Type Fibre Optic Tube Detection Range 0

Brackets & Stands for Sensors

Iwata Manufacturing offers specialized brackets and stands designed for sensors, with a thickness of 1.0 mm. These products

Mounting Brackets and Rods

Sensor mounting brackets from AutomationDirect. Your source for sensors and accessories at discount

Fiber Optic Sensor Cable, 1M Flat Bracket Type, High Temp, Thru-beam ...

Our black thru-beam sensor cable has a durable Ni-plated brass head, R4 bend radius, and flexible polyethylene jacket, which

Through Beam Fiber Optic Sensors – Mouser

Mouser offers inventory, pricing, & datasheets for Through Beam Fiber Optic Sensors.

Contact Us

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