

RIVO MULTITRADE OPTICAL SYSTEMS

Mounting bracket for fiber optic sensors



Overview

Mounting Bracket OP-23980, Mounting Bracket in FS-N series by KEYENCE America. Brackets & Stands for Sensors Iwata Manufacturing offers specialized bracket.

Key Takeaways

Fiber optic sensor mounting brackets are specialized hardware used to securely position and adjust fiber optic sensors, available in various materials, types, and configurations to suit different applications.

Types of Mounting Brackets

Fiber optic sensor brackets come in several configurations to accommodate different installation needs:

- Fixed Axial Brackets: Hold the sensor in a fixed position along a single axis. Ideal for straightforward installations where sensor alignment does not need adjustment .
- Right-Angle Brackets: Allow mounting at 90 degrees to the base surface, often with fine-tune adjustments for precise sensor positioning .
- Swivel or Ball-Joint Brackets: Enable multi-directional adjustment, allowing the sensor to be oriented accurately in tight or complex spaces .
- Combination or Stand-Type Brackets: Include a stand, pipe, and bracket as a set, providing a complete mounting solution .

Materials and Finishes



Brackets are manufactured from a variety of materials depending on durability and environmental requirements:

- Aluminum: Lightweight and corrosion-resistant, suitable for general industrial use .
- Stainless Steel: Offers high strength and corrosion resistance, ideal for harsh environments .
- Resin or Plastic: Lightweight and non-conductive, often used in applications where metal interference must be minimized .
- Black Painted Finish: Recommended for light-based sensors to reduce reflections and improve measurement accuracy .

Compatibility and Selection

When selecting a bracket, it is important to:

- Match the bracket to the specific sensor model to ensure proper fit and secure mounting .
- Check for interference from connectors or other components that may obstruct the sensor .
- Refer to the sensor datasheet for manufacturer-recommended bracket types and materials .

Additional Features

- Mounting Rods: Available in lengths up to 500mm for installing swivel or adjustable brackets .
- Cleaning Options: Some brackets come pre-cleaned with degreasing, precision cleaning, or electrolytic polishing to reduce installation preparation time .
- CAD Models and Online Ordering: Many suppliers provide CAD downloads and online ordering for easy integration into design workflows .

Fiber optic sensor mounting brackets are essential for ensuring accurate sensor alignment, stability, and protection, and choosing the right type and material can significantly improve sensor performance and longevity .

Article Content

Power Sensor Fiber Adapter Mounting Bracket

These mounting brackets are used to mount fiber-optic adapters to power sensors. Choose the mounting bracket specified for your

E39-L Photoelectric Sensor Bracket

Choose from a variety of different mounting brackets to securely mount your photoelectric or fiber optic sensor. Options for brackets

7Z08275 Fiber Adapter Mounting Bracket

A mounting bracket is needed to connect most power and energy sensors to a fiber adapter (SC, ST, FC or SMA). This bracket can

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Fiber Optic Sensing Solutions

Considerations for Choosing Fiber Optic Technology Fiber Optic systems are comprised of a fiber amplifier and optical fibers. The

Brackets, Covers (for Photoelectric Sensors and Fiber Sensors)

Brackets, Covers (for Photoelectric Sensors and Fiber Sensors) Bracket plays a crucial role in ensuring the proper alignment and

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Mounting Brackets

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Mounting bracket for fiber optic sensors series 60, 66, 67, 80

Mounting accessories Mounting bracket for fiber optic sensors series 60, 66, 67, 80
Article no.: 10159806 Mounting bracket for fiber

OMRON Brackets & Stands for Sensors

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Fiber Optic Sensors

Fiber Optic Sensors Fiber optic sensors provide a remotely mounted electronics and optics package with fiber optic extensions to the

Fiber Adapter Mounting Bracket for Energy Sensor

These mounting brackets are used to mount fiber-optic adapters to energy sensors. Choose the mounting bracket specified for your

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