

# Example of a Through-beam Fiber Optic Sensor



## Overview

FU-58U, Fiber Unit Thrubeam type in FS-N40 series by KEYENCE America. Emitter Fibre ---> Light Beam ---> Receiver Fibre | | Amplifier Amplifier Object passes here → blocks the beam → detected 5. Comparison With. Fiber Optic Sensors W8. R2, 2M. 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 pharmaceutical processing. Particularly effective for high-precision detection scenarios, it combines. This white paper describes the main features and how to use self-contained thru-beam sensors. These sensors are fast becoming the “go-to” sensors for a variety of error proofing sensing tasks. ✓ Technical data ✓ Mounting and Installation Instructions ✓ CAD drawings ✓ Compatible Accessories Fiber optics with Built-In Indicators now allow for a quick status or alignment check by simply looking at the fiber head.



## Article Content

Oct 23, 2025

### Omron E32-T16WR Fiber Optic Sensor | Features & Guide

Examine the Omron E32-T16WR fiber optic through-beam sensor. Learn its specs, features, amplifier options, and

Sep 03, 2025

### KEYENCE FIBER OPTIC SENSORS | KEYENCE America

Industry Leader KEYENCE fiber optic sensors became the industry standard because of their high performance and how easy they

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### Fiber-optic sensor

A fiber-optic sensor is a sensor that uses optical fiber either as the sensing element ("intrinsic sensors"), or as a means of relaying

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### THE SELF-CONTAINED THRU-BEAM SENSOR

The latest example of this fast-expanding technology is the new L-shaped self-contained thru-beam sensor. Customers needed a

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### Overview of Photoelectric Sensors | OMRON Industrial Automation

Photoelectric Sensors detect photo-optical workpieces. OMRON provides many varieties of Sensor, including diffuse-reflective,

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### Through-beam Fiber Optic Sensor

This Through-Beam Fiber Optic Sensor offers exceptional performance and versatile design, making it an ideal choice for industrial

Mar 06, 2026

### Fiber Optic Sensor Cable, 2M Array-type, Thru-beam, R25 POF with ...

Our thru-beam fiber optic sensor cable can detect an object with a minimum size of 30 mm. This 2M array-type sensor cable is ideal

Jan 14, 2026

Fiber optic through beam sensor

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

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Fiber Optic Sensors | KEYENCE America

This is a series of fiber optic sensor heads designed to be connected to a fiber optic sensor amplifier. The

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THE SELF-CONTAINED THRU-BEAM SENSOR

Dynamic optical windows are closed thru-beam photoelectric sensors that detect an object's movement as it passes through its

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Threaded Through-Beam Fiber Units | M3, M4, M6 Fiber Sensors

Discover how thru beam fibre optic sensors detect objects by blocking a light beam between emitter and receiver. Ideal for precise,

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Fiber optic through beam sensor

For installation with limited mounting space Operation as through-beam sensor With 90° deflection of the light beam for use where

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Fiber optic through beam sensor

For installation with limited mounting space Operation as through-beam sensor Very long range For cutting to size Small bending radius

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FT Thru-Beam Type Fiber Optic Sensors

Panasonic Industrial Automation FT Thru-Beam Type Fiber Optic Sensors feature tough, high-quality fiber and a

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Fiber-optic waveguides These extend the range of possible applications of photoelectric fiber sensors with important additional fi

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### What Are Through-Beam Photoelectric Sensors? | Working Principle

Learn what through-beam photoelectric sensors are and how they work. Discover their key advantages, common uses, and benefits

Jul 02, 2026

### What is a Fiber Optic Sensor?

A fiber optic sensor operates with an optical fiber cable connected to a dedicated light source. These sensors offer great mounting

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### Through beam fiber-F& C sensors

Through beam fiber 1. The amplifier is equipped with optical fiber, which can detect the presence or absence of opaque or

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### Array Through-beam Fiber Optic Sensor

Engineered for seamless integration, this sensor is fully compatible with all standard fiber optic amplifiers, including both conventional

## Contact Us

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