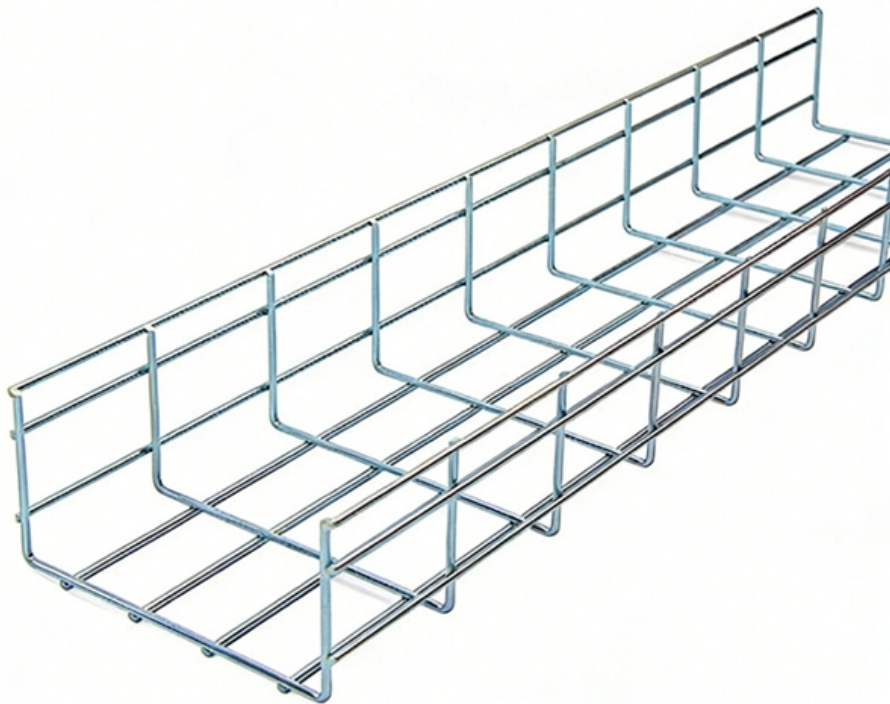


What sensors are used in fiber optic communication





Overview

Optical fibers can be used as sensors to measure, , and other quantities by modifying a fiber so that the quantity to be measured modulates the,,, or transit time of light in the fiber. Sensors that vary the intensity of light are the simplest, since only a simple source and detector are required.



What sensors are used in fiber optic communication

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Fiber-optic sensor

Optical fibers can be used as sensors to measure strain, temperature, pressure and other quantities by modifying a fiber so that the quantity to be measured modulates the intensity, phase, polarization, wavelength or transit time of light in the fiber. Sensors that vary the intensity of light are the simplest, since only a simple source and detector are required. A particularly useful feature of intrinsic fiber-optic sensors is that they can, if required, provide distributed sensing over very large distances.

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Fiber Optic Sensor

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Fiber Optic Sensors FOA is mostly concerned with fiber optics used in communications, but fiber has other applications also. It can be used for sensors in a variety of different ways that take advantage

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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 flexibility and can be used is in a

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