

Ultra-small diameter fibers with a compact head ensure precision centering accuracy to stably detect minute parts. Since it has a thin, rectangular shape, it can be installed in narrow locations. Sensing of ...

Balluff's fiber optic sensors are used when a conventional optical sensor is too large or too inflexible for the application: For example, for small part detection, checking part features, part positioning, ...

Fiber optic sensors come in a variety of sizes and shapes ranging from small DIN-rail mountable units to 18mm cylindrical housings to full-size limit switch housings.

In this section we will briefly discuss the ways in which optical fiber Bragg grating sensors can be individually interrogated and collectively multiplexed in order to be able to perform multi-point sensing.

Fiber optic sensors are compact because the detection circuit is located in the amplifier, allowing for detection even in narrow spaces. Installation and adjustment are easy and the devices have high ...

The thin sleeve design eliminates problems caused by limited mounting space and allows the sensor to be placed closer to the target. Lineup includes side-view and bendable sleeve types.

They consist of a two-part structure: flexible fiber optics made of plastic or glass and available in various lengths, and separate amplifiers with a wide range of evaluation options.

Cylindrical fiber optics in various designs Smallest diameter 1.5 mm Thread types M3, M4, M6 High-precision positioning with coaxial fiber structure Reliable detection of the smallest objects with ...

Fiber-Optic Cables with a core diameter of \varnothing 0.25 to 0.5 mm. Recommended for small object detection or high accuracy positioning purposes. Can be installed in narrow spaces.

Standard cylindrical fiber sensor heads The standard cylindrical fiber optic sensor heads provide reliable object detection, easy installation and long sensor lifetime for all general applications.

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