

Since fiber-optic cables do not contain electronic components, fiber-optic sensors are particularly suitable for applications in confined spaces, harsh environments or where other sensors cannot be ...

We study how to set a threshold for how to identify the end of an optical fiber by reflectance ratio between wavelengths calculated from measurements of a temporary optical coupler ...

Effects of apodization on distributed feedback fiber laser (DFB FL) output power and threshold gain are theoretically investigated by employing the transfer matrix method.

Brief theory of sensing principle, fabrication method, applications, advantages and disadvantages of the different fiber-optic sensors, are addressed. Recent progress in numerous ...

The light transmitted out of the input/output fiber projects onto the fiber end face of the target fiber. This reflected light from the target fiber is partially re-coupled into the input/output fiber.

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Displayed values of threshold and received light amounts can be set to be multiplied by 10 or 50 for easier perception. Amounts of received light can be set to display at peak/bottom values. ...

Monitor light incidence and set threshold levels simultaneously using the programmer's dual digital displays. The programmer also lets you copy and paste sensor configurations to multiple ...

Current receiving light quantity and threshold are shown using dual displays. Fine sensitivity adjustments can easily be made after teaching. Also, through the adoption of a high brightness LED, numerical ...

Highest precision in design and manufacturing of the fibers and focal lenses ensure superior beam and spot accuracy allowing the detection of the smallest objects and height ...

Radiation absorption excites an orbital electron to a higher energy level. Radiation absorption creates electronic excited states that are trapped by localized defects for extended ...

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