Two-core fiber optic sensor

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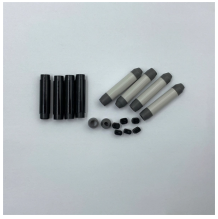
	A curvature fiber optic sensor using a Two-Core fiber is demonstrated. The sensor spectral response shifts as the fiber is bent while the intensity peaks remain practically unaltered.
	Digital Fiber Optic Sensor FS-V30 series What is a Fiber Optic Sensor? A fiber optic sensor is an instrument that measures light from an LED (or other device) for detection purposes. These devices ...
	A novel fiber optic sensor has been developed using suspended core fiber (SCF) to simultaneously measure the refractive index (RI) and temperature of liquids. The innovative design comprises an ...
	The presented sensor is characterized by its cost-effectiveness, remarkable sensitivity, excellent operational stability, high measurement precision, and robust resistance to external ...
	In this paper, we provide a theoretical analysis of dual-core fiber sensors for high-sensitivity and high-accuracy measurement, which mainly focuses on the effects of the geometric ...

	A simple and compact fiber optic sensor based on a two-core fiber is demonstrated for high-performance measurements of refractive indices (RI) of liquids.
	This investigation proposes a photonic crystal fiber optic sensor with two cores and two holes to address the issue of limited sensor sensitivity.
	Illustrative experimental results using fiber optic sensors based on two- and seven-core multicore fibers are shown for a number of applications including temperature, curvature, and ...

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