

A novel fiber Bragg grating (FBG) flow sensor with high sensitivity is proposed in this article, which consists of a target disk, a solid beam, an L-shaped leve

A prototype fiber-optic flow sensor system was developed and tested both in the lab and in the field; the test results have demonstrated that this fiber optic flow sensor system can detect flow rates of fluids ...

Based on a lever-hinge structure, a target-type fiber Bragg grating (FBG) flow sensor is proposed. Differential measurements of temperature and pressure are achieved using two FBGs.

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A self-compensating fiber optic flow sensor system based on the principle of broadband white-light interferometers and cantilever beam bending is described, which has demonstrated high resolution, ...

Because there are no electronic components in the sensing heads, fiber optic sensors are commonly used in tight spaces, harsh environments, or simply where other sensors cannot be used.

Abstract: In view of problems existing in the detection of the traditional hydraulic system, such as the large volume of sensor and the low measurement accuracy, a new one-piece target type flow sensor ...



Fiber Optic Target Flow Meter Sensor

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