

Three fiber optic sensors were chosen for this experiment: distributed temperature sensing, fiber Bragg gratings, and continuous fiber Bragg grating. Two bundles of fiber optic sensors ...

In this paper I try to compare the different types of Fiber optic sensors for strain and temperature sensing. Here I study the two types of sensors. First one is Fibre Bragg Grating (FBGs) sensor and ...

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A review of the fiber optic sensor based on Fiber Bragg Grating (FBG) was done for the different parameters such as humidity, temperature, force and Refractive Index (RI) of the different ...

This paper presents a thorough comparison of long-gauge fiber optic sensors and traditional measurement tools when used to monitor RC columns under small eccentric compressive loading.

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

To determine the optimal sensor length for long-gauge fiber optic sensors, this study also compared measurement results from sensors of 30 mm, 60 mm, and 120 mm. Additionally, the ...

The paper presents, and compares the performance of, two optical sensing systems each based on a combination of two fibre Bragg gratings (FBGs) and where a simple measurement of ...

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

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