



# Fiber Bragg Grating Strain Sensor

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A new, low cost fiber grating strain sensor is now available at **O/E LAND INC.** Based on our new design, this new fiber grating strain sensor can be widely used in construction, bridge, aerospace, electrical, petrochemical, biomedical, nuclear and other industry applications.

The fiber cable can be packaged with armored cable( or other type of cables) to protect from broken in a harsh environment like rust, shock, corrosion, vibration, sharp mechanical object, example in figure 1.

Model number: **OESTS-100**

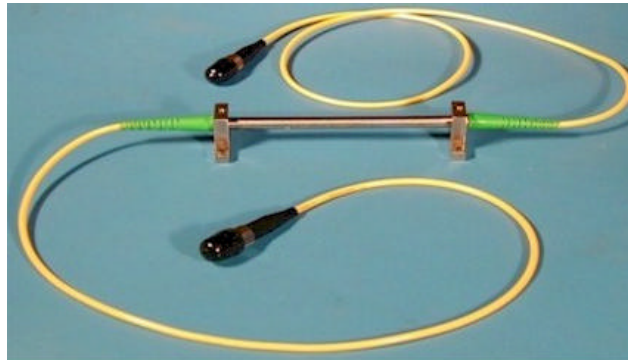


Figure 1. Fiber Bragg Grating Strain Sensor

### SPECIFICATIONS:

Range	+/- 1000 uStrain
Resolution	1 uStrain
Working Temperature	-50 ~ +80°C
Size(mm)	φ6 x 100 (or customer size)

### APPLICATIONS:

- Bridges and High Way, Dams
- Big Buildings
- Petroleum Plant and Pipelines, Oil Fields
- Electrical Transformer
- Aerospace, Biomedical, Environment

## **O/E LAND INC.**

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