

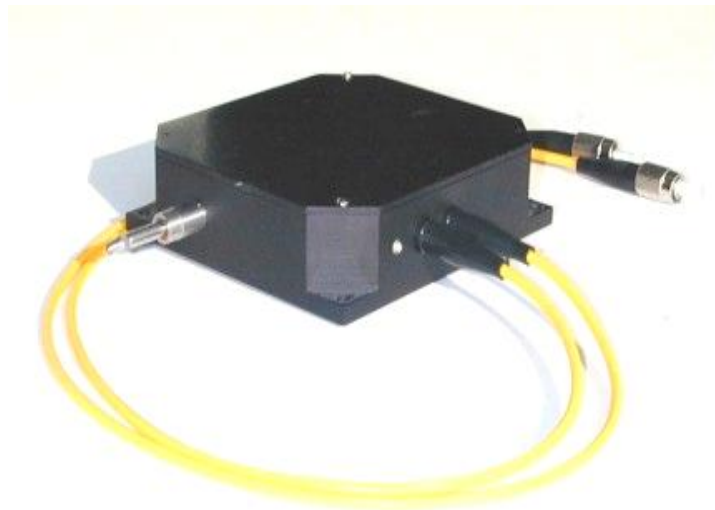
## Fiber Bragg Grating Displacement Sensor

(OEFDS-100)

A low cost fiber displacement sensor is now available at **O/E LAND INC.** Based on our patented technology on wide band tunable fiber Bragg gratings, our fibre displacement sensor with model number **OEFDS-100** is used to measure the relative movement between two different positions in structures like bridges, big buildings, dam, etc. An optional built-in temperature sensor can be included for monitoring both displacement and temperature simultaneously.

### Applications:

- Bridges
- Big buildings
- Dams
- Aerospace industry



FBG Displacement Sensor

### Specifications:

	OEFDS-100
Center wavelength (nm)	1310, 1550
FWHM (nm)	0.2 ± 0.1
Reflectivity (%)	> 75
Displacement range (mm)	5-50
Resolution (%)	< 0.1
Precision (%)	< 1
Fibre cable	1m long, 3 mm <sup>†</sup>

Note: All specifications are subject to change without notice.

<sup>†</sup>. An armoured fibre cable is also available for temperatures higher than 100 °C.

Please feel free to contact us at (514) 334-4588 or at [sales@o-eland.com](mailto:sales@o-eland.com) for more information on this product.