

## IDP3500-FBG Strain Sensor

### Description

The strain sensors make use of the sensitivity of fiber grating to measure the strain. The FBG is fixed inside a stainless steel housing between two anchoring points. The housing consists of a sliding mechanism that allows both ends to move freely relative to each other.



Weldable strain sensor MS-01



Surface sticking strain sensor MS-02



Embedded strain sensor ES-01

### Feathure

Robust and high reliability Monitoring of compression as well as tension possible

Watertight and capable of service in harsh environment

### Application

The strain sensors can be applied to monitor strain changes in various structures for a very long period of time.

## Specification

Parameters	Unit	Value	Remark
Center Wavelength	nm	1510-1590	Customized
Strain Measurement Range	$\mu\epsilon$	+/-1500	Customized
Accuracy		1‰	
Temperature Range	℃	-5-80	
Dimension	mm	$\phi 12 * 102$	MS-01
		78(L) * 14(W) * 7(H)	MS-02
		$\phi 33 * 110$	ES-01
Installation	mm	Welding	MS-01
		Paste	MS-02
		Embedded	ES-01
Connector	--	FC/APC	
Pigtail Type		Amoured Or Jumper Cable	