



Aniber's strain sensor makes use of the inherent strain sensitivity of FBG. A FBG is fixed or prestrained inside a housing between two anchoring points. Each package is terminated with an optical connector. The sensor can be employed for concrete health monitoring, strain monitoring in composite structures, strain monitoring on reinforcement steel bars, vibration monitoring.

### SPECIFICATIONS

Athermal Strain Sensor	
Wavelength	810 ~ 880nm
Strain Range	+/-1500 micron strain
Accuracy	1%
Pigtail Type	<i>Armoured fiber pigtails</i>
Pigtail Length	1m (other on request)
Connector Type	FC/APC
Distance between two anchors	65mm
Temperature cross sensitivity	< 3 $\mu\epsilon$ /°C (after installation)
Operating temperature	-10~90°C
Dimension	DIA.12 x 83mm



*Specifications are subjected to change with a view of enhancing system performance without prior notice.  
Design and specifications can be customized to suit a range of customer requirements.*