

Athermal Strain Sensor

Alxenses's Athermal Strain Sensor ALASS02 is a Fiber Bragg Grating based sensor with a special design by cancelling the intrinsic fiber optic thermal sensitivity. It is designed to be embedded in the concrete.

Features

- Robust and high stability
- Very low temperature sensitivity
- Immunity to EMI/RFI



SPECIFICATIONS

Athermal Strain Sensor ALASS02

Parameters	Values	Units
Center Wavelength	1510~1590	nm
Strain Range	+/-1500	uε
Accuracy	1% F.S	--
Distance between two anchors	120	mm
Temperature cross sensitivity	<= 2 (After Installation)	uε/°C
Operating temperature	-10~90	°C
Diameter	27	mm
Connector Type	FC/APC	--
Pigtail Type	6mm armored cable	--