

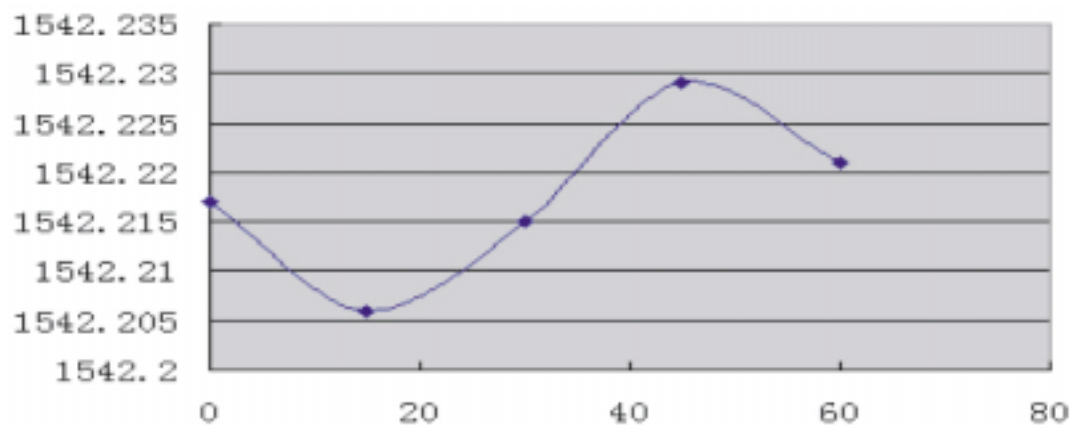
FBG Athermal Pressure Sensor (ALAPS01)

Alxenses's Athermal Pressure Sensor ALAPS01 is designed to measure pore-water or other fluid pressure. It is used to monitor engineering works such as hydraulic structures, foundations, retaining walls, dams, embankments, excavations, tunnels, etc. The unique characteristic of temperature insensitivity makes it not to affect by temperature shift. This greatly improves the accuracy and makes it very simply in applications.

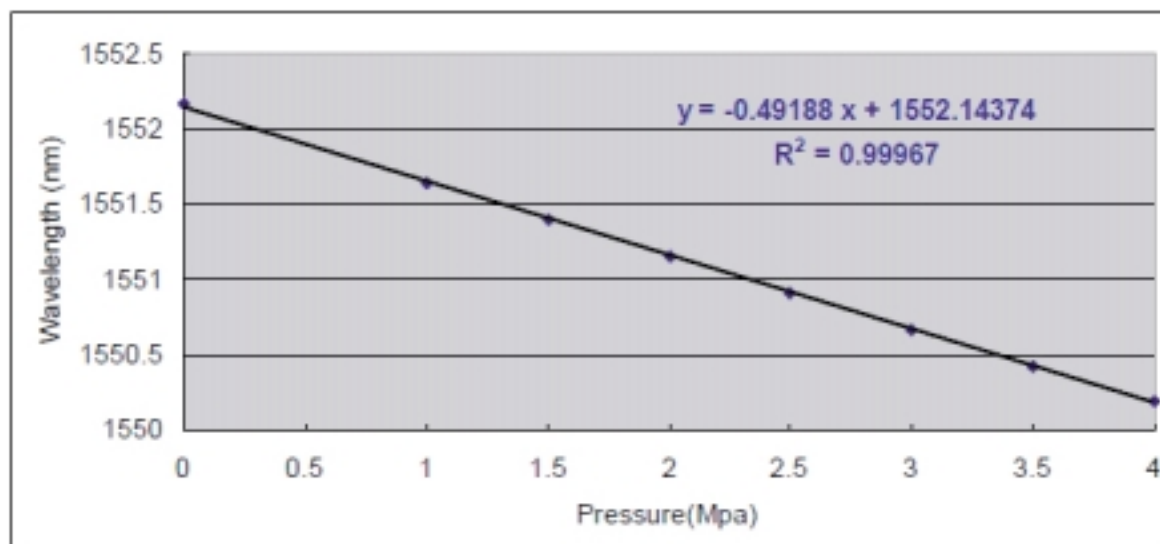
Features

- Long-term reliability
- High accuracy and resolution
- Wide measuring range
- Rugged stainless steel construction
- Temperature insensitive
- High pressure sensitive

Thermal Characteristics

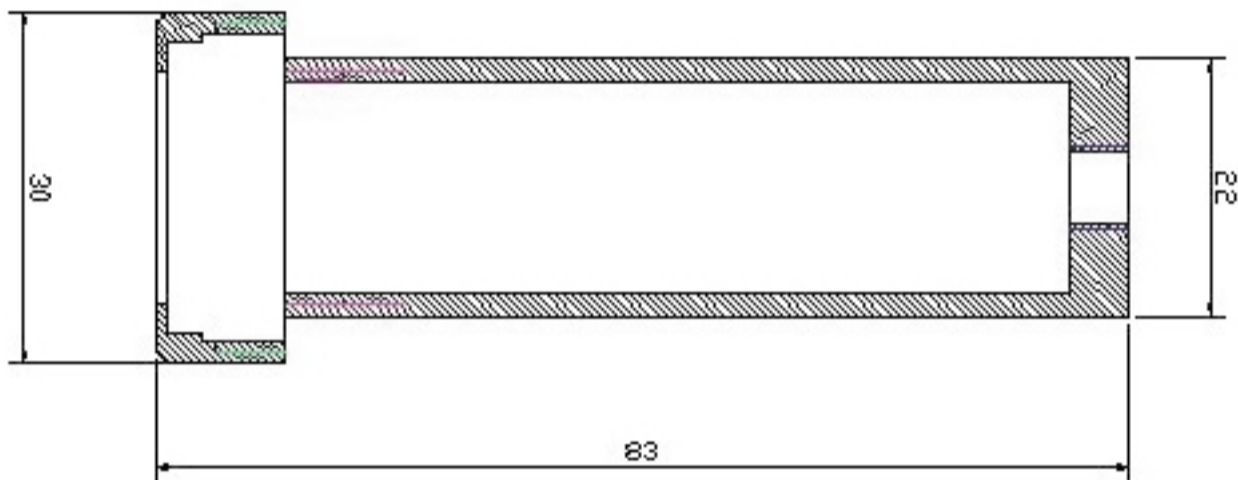


Pressure Characteristics



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Dimension



SPECIFICATIONS

Athermal Pressure Sensor ALAPS01

Parameters	Values	Units
Center Wavelength	1510~1590	nm
Pressure Range	0~2	Pa
Resolution	$\leq 0.1\%$ F.S.	--
Accuracy	$\leq 0.5\%$ F.S.	--
Temperature Shift	Max. 0.18	nm
Operating Temperature	-25 ~ +80	°C