

FBG Temperature Sensor

Alxenses's ALTS07 sensors measure temperature by utilizing the inherent feature of temperature-sensitivity of FBG which is packaged specially to further increase the sensor's heat-sensitivity. With excellent waterproof, stability and reliability, ALTS07 sensors can be embedded in concrete construction to monitor temperature variation. These sensors can be multiplexed easily to form an effective sensing network.

Features

- High temperature sensitivity
- High stability and reliability
- Waterproof
- Resistant to electromagnetic interference
- Easy of multiplexing for multi-point measurement

SPECIFICATIONS

FBG Temperature Sensor ALTS07

Parameters	Values	Units
Wavelength Range	1525~1565	nm
Temperature Resolution	0.04	°C
Temperature Accuracy	0.4	°C
Temperature Range	-20~80	°C
Cable Type	Φ3 or armored cable	mm
Cable Length	customized	mm
Connector Type	FC/APC or customized	--
Dimension	160 x Φ8	mm

FBG Temperature Sensor Enquiry Form

Parameters	Units	Standard Specifications	Customized Specifications
Wavelength Range	nm	1525~1565	
Temperature Resolution	°C	0.04	
Temperature Accuracy	°C	0.4	
Temperature Range	°C	-20~80	
Cable Type	mm	Φ3 or armored cable	
Cable Length	mm	customized	
Connector Type	--	FC/APC or customized	
Dimension	mm	160 x Φ8	