

FBG Temperature Sensor CT-01

FBG Temperature Sensor CT-01 is made of high-voltage resistant insulating materials, and the sensing part is made of high-temperature thermal conductive ceramics, which has the characteristics of fast heat conduction; the product can be mainly used for temperature monitoring of power switch cabinets in power systems, and can also be used in other working environments that require insulation; at the same time, the structural advantage of the hermetically sealed design of the insulated fiber grating temperature sensor also allows the product to be used in liquid environments.

Key Features

- Waterproof and moistureproof
- Free from electromagnetic interference
- Packaged with non-metallic materials
- High temperature and corrosion resistant
Teflon cable pigtail
- No static electricity or sparks
- High precision and high resolution
- Fast, simple and reusable installation



Applications

- High voltage power cables, switch cabinet, transformer temperature monitoring
- Petrochemical storage tank group temperature monitoring and fire warning
- Temperature monitoring of dangerous goods storage tanks and important areas

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1460 ~ 1610
Range	°C	-20 ~ +80
Resolution	°C	0.1
Accuracy	°C	1
Material	--	Ceramic
Dimension	mm	Φ5 x 45
Installation	--	Paste
Pigtail Length	m	Φ3mm armored cable, 1m at single end, or customize
Optical Connector	--	FC/APC, or customize
Operating Temperature	°C	-20 ~ +80