

## T14 FBG Temperature Sensor

### Description

Encapsulated with foreign imported packaging materials, T14 FBG temperature sensor takes fiber Bragg grating string as the temperature sensing unit, which is featured by excellent performance in high voltage resistance, breakdown resistance, creepage resistance and its good temperature characteristics. T14 is therefore perfectly suitable for internal temperature monitoring of UHV oil immersed transformer.

### Features

- High reliability
- High safety
- Does not change the transformer electric field distribution
- Does not affect the transformer insulation strength



### Applications

- Oil immersed transformer hot spot temperature monitoring
- Oil immersed reactor hot spot temperature monitoring

### Specification

| Item                 | Unit | Specification        |
|----------------------|------|----------------------|
| Temperature Range    | °C   | -20~300              |
| Temperature Accuracy | °C   | ±1                   |
| Measuring Resolution | °C   | 0.1                  |
| Central Wavelength   | nm   | 1510~1590            |
| Dimension            | mm   | 52×7.5×4             |
| Connector Type       | -    | FC/APC or customized |
| Cable Jacket         | -    | Ø3mm spiral tube     |