

Fibre Optic Temperature Sensor YOSC-OFT-M1

The package of fibre optic temperature sensor YOSC-OFT-M1 is made of aluminum oxide ceramic material, which is particularly suitable for power system monitoring, such as high voltage switch temperature measurement, cable joint temperature measurement, copper aluminum busbar pressure connection surface temperature measurement, dry transformer temperature measurement, high voltage bus temperature measurement and other high voltage and high current monitoring environments, meeting the requirements of nonconductive sensing and achieving high and low temperature warning.



+ Features

- High precision, high stability, and high reliability
- Intrinsic safety, electromagnetic interference resistance, corrosion-resistant, strong lightning resistance, etc.
- Ceramic packaging, high voltage resistance, anti-creep, and flame retardancy

+ Applications

- Temperature monitoring and fire warning of petrochemical oil storage tank groups
- High voltage power cables, temperature monitoring of switchgear
- Tunnel temperature monitoring
- Temperature monitoring of hazardous material storage tanks and important areas
- Temperature monitoring of important areas, hazardous areas, and other areas with explosion-proof requirements
- Temperature monitoring of high-speed railway locomotives, ships and other equipment

+ Parameters

Items	YOSC-OFT-M1
Range	-40°C~120°C
Resolution	0.1°C
Accuracy	±0.5°C
Response time	300ms
Center wavelength	C-band(1525-1565nm)
Peak reflectivity	>90%
External dimension	∅6x70mm
Weight	Approximately 50g-200g
Material	Alumina ceramic
Fibre optic cable type	Armored optical cable
Fibre optic interface	FC/APC or fusion welding
Installation method	Pasting, bolt fixation, etc