

## Fibre Optic Temperature Sensor YOSC-OFT-M2

YOSC-OFT-M2 fibre optic temperature sensor utilizes the inherent temperature sensitivity of the grating to monitor temperature, and adopts a fully waterproof and stainless steel metal tube packaging design. It has the characteristics of high measurement accuracy and good dynamic thermal performance. It can be pasted on the surface or buried inside the tested structure for temperature monitoring.



### + Features

- High precision, high stability, and high reliability
- Intrinsic safety, electromagnetic interference resistance, corrosion-resistant, strong lightning resistance, etc.
- Stainless steel metal tube packaging, easy to reuse for multiple sensors

### + Applications

- Fire, flood, and condition monitoring of power transmission, tunnels, and pipelines
- Fire and safety monitoring of railway and highway tunnels
- Temperature monitoring of long-distance Pipelines
- 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-M2
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	Φ6x70mm
Weight	Approximately 50g-200g
Material	Stainless steel, etc
Fibre optic cable type	Armored optical cable
Fibre optic interface	FC/APC or fusion welding
Installation method	Pasting, bolt fixation, etc