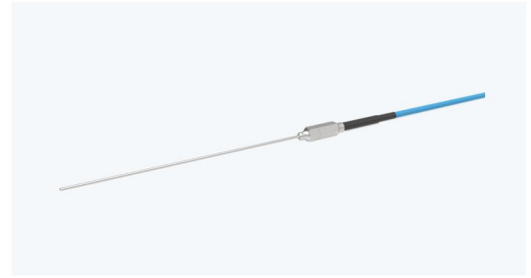


Fibre Optic Temperature Sensor YOSC-OFT-M3

YOSC-OFT-M3 fibre optic temperature sensor is a miniaturized and fast temperature responsive sensor that utilizes the inherent temperature sensitivity of gratings to monitor temperature. It adopts a fully enclosed waterproof design, stainless steel metal tube packaging, and the tail fibre is covered with high-temperature resistant PTFE sheath.



It has the characteristics of high measurement accuracy, long-term zero stability, and good dynamic characteristics. Suitable for long-term temperature monitoring in narrow spaces such as power plants, GBT chips, and oil tanks, it can be widely used for temperature measurement in fields such as electricity.

+ Features

- High stability and reliability
- Short temperature response time
- Intrinsic safety, electromagnetic interference resistance, corrosion resistance, etc.
- Small size, stainless steel metal tube packaging
- Customizable

+ Applications

- Temperature measurement of batteries, power station converter cabinets, etc.
- Dynamic temperature measurement of GBT chips
- Temperature measurement of current modules and capacitors
- Temperature monitoring of high-speed railway locomotives, ships and other equipment

+ Parameters

Items	YOSC-OFT100-M3	YOSC-OFT200-M3	YOSC-OFT500-M3	YOSC-OFT1000-M3
Range	-40~100°C	-40~200°C	-40~500°C	-40°C~1000°C
Resolution	0.1°C	0.1°C	0.1°C	0.1°C
Accuracy	±0.5°C	±1°C	±2°C	±3°C
Response time	150ms			
Center wavelength	C-band(1525-1565nm)			
Peak reflectivity	>70%			
External dimension	Φ1/Φ3×25mm			
Weight	Approximately 20g			
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			