

Features

- Precise monitoring operation for detecting temperature trends in various equipments
- Predict hazards
- Upto 16 different points can be measured
- Real time continuous temperature monitoring
- Industry Compliant Communication protocols including MODBUS and IEC-61850
- Specially designed rugged form factor for harsh environment

Advantages

- Highly stable, with great degree of accuracy, calibration-free, interchangeability
- Immune to EMI, Microwaves. Good insulation performance
- Gives Accurate and Reliable Temperature Reading where Thermocouple and RTD's cannot be used
- Long service life, maintenance-free
- The probe is small in size and can be used to measure the hot spot in depth, so as to realize the real and effective monitoring of the hot spot
- Data can be displayed locally and integrated into the control system conveniently
- Easy installation and flexible networking
- Low cost performance ratio

Applications

- Transformer Winding Temperature Measurement
- Switchgear Hot Spot Temperature Monitoring
- Energy Industry
- Industrial Microwave Industry
- Medical Industry

FluoroSenz - FS-016

FluoroSenz Fiber Optic Temperature Monitoring System



Introduction

FluoroSenz is fluorescence based fiber optic monitoring system conducts real time monitoring to accurately measure temperature of transformer's winding hotspot and switchgear contact points. It is suitable for work in harsh environment like high pressure, high temperature and strong electro-magnetism. The size of sensor is very small and it can be easily installed on measuring point with high measurement accuracy and high response frequency.

Technical Specifications

Temperature Measurement Range	-40°C to 260°C
Temperature Accuracy	± 1°C
Temperature Resolution	0.1°C
Display	7 Segment Digital Tube Display
Number of Channels	Upto 16
Temperature Unit	°C or °F
Response Frequency	2 Second Per Channel
Communication Ports	RS-485, Ethernet (RJ-45), Fiber Port
Communication Protocol	MODBUS IEC61850 (Compatible)
Relay Output	8 Programmable Relay 1 System Fault Relay
Analog Output	4-20 mA (one for each channel)
Data Logging	1 GB Industrial Grade SD Card
Power Supply	24 VDC
Power Consumption	≤ 10 W
Fiber Optic Length	1 m to 25 m
Operating Temperature	-20°C to 65°C