

Transformer Winding Temperature Sensing

Reliable and Cost Effective Hot Spot Monitoring

OSENSA's fiber optic temperature sensing systems combine unsurpassed performance with exceptional value, making them ideally suited for cost-sensitive transformer monitoring applications. Chose from single or multi-channel signal conditioners and daisy-chain together as many as you need. Add data logging and intelligent control for alarms and external relays with the HMI-001-XFMR touch panel interface.

System Components

TECHNICAL SUPPORT

OSENSA Innovations offers on-site support, commissioning, and training for all of its products. For immediate assistance with any technical issue, please contact support@osensa.com or call 1-888-732-0016.

WARRANTY INFORMATION

OSENSA Innovations stands behind its products and services. All fiber optic temperature probes and signal conditioners ship with a full one year repair or replacement warranty. You may also purchase an extended five year warranty. Some conditions apply.

CUSTOM OEM SOLUTIONS

OSENSA offers cost-effective design and consulting services at discounted rates for high-volume OEM customers. Let the engineering team at OSENSA Innovations help you rapidly develop custom probes for your research application. OSENSA's team has many years of experience designing fiber optic temperature probes for various laboratory environments.

FURTHER INFORMATION

For more information on any of our products or services please visit our website: www.osensa.com or email: info@osensa.com.



HMI-001-XFMR

Touch Screen Display Panel



ACC-FEEDTHRU-NPT

Tank Wall Feedthrough



FTX-301-XFMR+

Transformer Signal Conditioner



EXT-XFMR-10M-ST-ST

LSZH Extension Cable



PRB-XFMR-10M-ST

Transformer Temperature Probe



System Specifications

FTX Transformer Models:	
FTX-101-XFMR+, FTX-201-XFMR+, FTX-301-XFMR+ FTX-302-XFMR+, FTX-402-XFMR+, FTX-602-XFMR+	1, 2, and 3 channels with Analog output 3, 4, and 6 channels with RS-485 Only
Probe Dielectric Strength Tested per ASTM-D149	> 10 kV/mm
Partial Discharge less than 10 picoCoulombs	60 seconds @ 60 Hz
Temperature Sensing Range	-40°C to 200°C
System Accuracy	± 1.0°C
Operating Environment	-40 to +65°C
HMI Interface, 1 to 18 channels	Ethernet TCP/IP, USB, RS-232
FTX Bus Interface	Modbus RTU over RS-485
Extension Cables, UL1666, Low Smoke Zero Halogen	-40°C to 80°C
316 Stainless Feedthrough, 1/4-18 NPT	-40°C to 200°C, Vacuum to 200 PSI