OSENSA INNOVATIONS

FTX-301-XFMR+ Temperature Transmitter

FTX-300-XFMR+ Transmitter

Transformer Hot Spot Fiber Optic Temperature Sensing

The FTX-301-XFMR+ temperature transmitter offers exceptional value for transformer winding temperature monitoring. It reads Luxtron™ brand (manufactured by Lumasense Inc.) fluorescent temperature probes. The signal conditioner connects quickly to a laptop computer with a standard USB cable to provide real-time temperature trending and data logging with the optional OSENSAView Pro software or LabView VI. The isolated, 4-20mA analog outputs are loop powered and provide simple integration with standard industrial PLCs, temperature controllers, and relays. Multiple signal conditioners can be connected in series on a standard 35mm DIN rail and the T-Bus connector supports RS-485 communication over industry standard Modbus RTU protocol.

Product Specifications

Model Name	FTX-101-XFMR+	FTX-201-XFMR+	FTX-301-XFMR+
Number of Channels	1	2	3
Analog Output	Isolated 4-20mA		
Digital Interface	USB & Isolated RS-485		
Measurement Range	-45°C to +200°C		
Resolution	0.1°C		
System Accuracy*	±2.0°C		
Update rate	30 Hz		
Comm. Protocol	Modbus RTU, Half Duplex		
Status Indication	3 Color Flashing and Solid LEDs		
Operating Humidity	0 to 90% RH (Non-Condensing)		
Operating Environment	-40°C to +65°C		
Power	12-24 VDC (2.5W max)		
Dimensions	114mm Tall x 22.5mm Wide x 102mm Long		
Mounting	35mm DIN Rail		
Configuration Software	OSENSAView or OSENSAView Pro		
Product Compliance	CE c(UL)us		

For use with OSENSA and Luxtron™ brand fluorescent temperature probes:

- PRB-XFMR-xxM-ST-L
- Luxtron™ brand dip-tip style probes

Certified System
SAI GLOBAL
ISO 9001 Quality

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Specifications subject to change without notice.

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