

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.

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 process control application. OSENSA's team has many years of experience designing fiber optic temperature probes for various industrial 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.



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	 		

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

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