

Fiber Optic Temperature Sensing for High Voltage Industrial Applications

FTX-301-PWR+ Temperature Transmitter



FTX-301-PWR+ Transmitter

Reliable Fiber Optic Thermal Monitoring

Osenza's PWR+ series fiber optic temperature transmitter offers scalable industry leading performance. Each signal conditioner accepts either three or six optical fiber sensor inputs for convenient three-phase monitoring of hot spots in generator and transformer windings, on bus bars in switch gear, or critical connection points on transmission cables and circuit breakers. The FTX-301-PWR+ model includes three isolated 4-20mA outputs that are loop powered from a 12~24VDC source. All transmitters include isolated RS-485 serial connectivity over industry standard Modbus RTU protocol. Multiple transmitters can be connected in series on a standard 35mm DIN rail with power and RS-485 communication supplied to by the five-pin T-Bus connector.

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-301-PWR+
Number of Channels	3
Analog Output	Isolated 4-20mA
Digital Interface	USB & Isolated RS-485
Operating Environment	-40°C to +65°C
Measurement Range	-40°C to +200°C
Resolution	0.1°C
System Accuracy	±1.0°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)
Dimensions	114mm Tall x 22.5mm Wide x 102mm Long
Power	12-24 VDC (2.5W max)
Mounting	35mm DIN Rail
Configuration Software	OSENSAView or OSENSAView Pro
Product Compliance	 

Install in combination with OSENSA's PRB-GB3 and PRB-PF1 style fiber optic temperature probes. Upgrade to OSENSAView Pro software for real-time data-logging and graphing of up to 30 channels concurrently.

Temperature Transmitters

Please consult the table below to ensure you are ordering the correct transmitter for the probe style you desire. Also note that only the -LUX+ and -XFMR+ series can be ordered as 1, 2 or 3 channel devices. For instance, an FTX-100-LUX+ is a single channel device and an FTX-201-XFMR+ is a 2 channel device.

Model #	Fiber Optic Temperature Probe Styles						Extension Cables		
	PF1	GB3	MR1	G40	G20	LUXTRON™	PF1	400	200
FTX-602/302-PWR	✓	✓					✓		
FTX-301-PWR+	✓	✓					✓		
FTX-300-LUX+			✓	✓	✓		✓	✓	✓
FTX-301-XFMR+						✓		✓	✓

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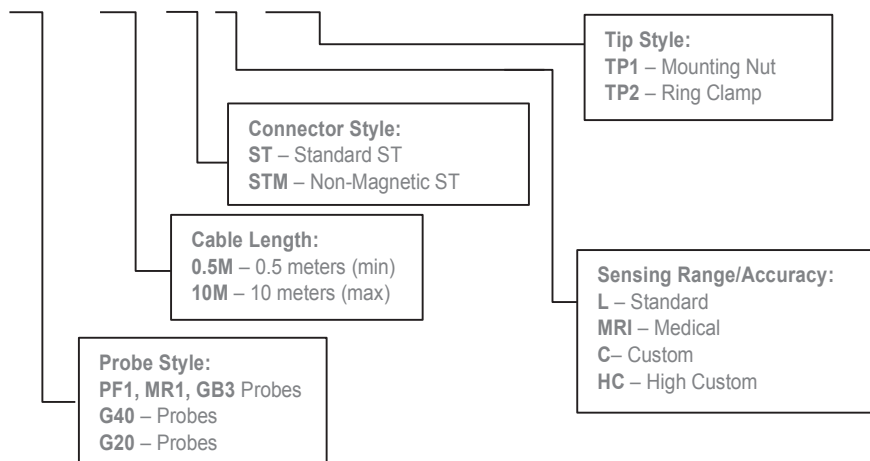
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Fiber Optic Temperature Probes

PRB-PF1-06M-ST-L-TP2



Fiber Optic Extension Cables

EXT-400-10M-STM-STM

