

Fiber Optic Temperature Sensing for High Voltage Industrial Applications

FTX-602/302-PWR+ Temperature Transmitter

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.



FTX-602-PWR+

Reliable Fiber Optic Thermal Monitoring

OSENSA'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-602-PWR+ and FTX-302-PWR+ are powered by 12~24VDC and 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 by the five-pin T-Bus connector.

Product Specifications

Model Name	FTX-602-PWR+	FTX-302-PWR+
Number of Channels	6	3
Analog Output	None	None
Digital Interface	Isolated RS-485	Isolated RS-485
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 95% 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's medium voltage temperature probes:

- PRB-PF1-xxM-ST-L
- PRB-GB3-xxM-ST-L