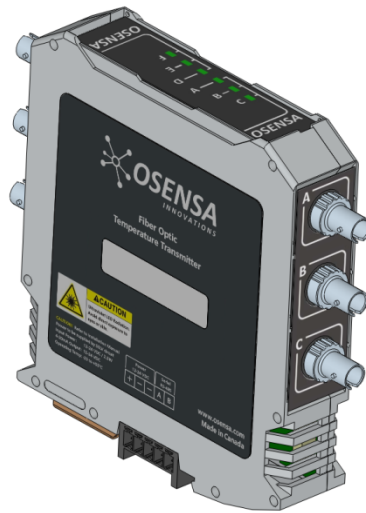


FTX Series Fiber Optic Temperature Sensors



FTX-602-PWR Signal Conditioner

Cost-Effective Continuous Temperature Monitoring for Switch Gear.

The FTX series fiber optic signal conditioner offers exceptional value combined with industry leading performance. Each temperature transmitter accepts either three or six optical fiber sensor inputs for convenient three-phase monitoring of hot spots at bus bar, cable and circuit breaker connection points. The FTX-302-PWR and FTX-602-PWR series include isolated RS-485 serial connectivity over industry standard Modbus RTU protocol. These signal conditioners are designed to exceed the highest levels of burst and surge immunity for worry-free installation in High Voltage industrial environments.

OSENSA offers rugged all-polymer optical fiber temperature sensors that can operate continuously to 125°C, and handle intermittent exposure to 150°C as well as industrial fiber probes that can operate continuously to 200°C.

Product Specifications

New

Model Name	FTX-302-PWR	FTX-602-PWR
Number of Channels	3	6
Digital Interface	Isolated RS-485	Isolated RS-485
Analog Output	None	None
Operating Range	-40°C to +65°C	-40°C to +65°C
Measurement Range	-45°C to +200°C	
Resolution	0.10°C	
Accuracy*	0.25°C	
Update rate	20 Hz Max	
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	
Software	OSENSAView FTX	

* Measurement accuracy depends on Probe Accuracy and Transmitter Accuracy

Power and communicate to multiple transmitters using the common RS-485 serial bus and industry standard Modbus RTU protocol.

OSENSA's all-polymer optical fiber switch gear temperature probes are extremely robust, so there is no risk of breakage, and they do not require field calibration.

OSENSA offers volume discounts and customized solutions for large volume switch gear manufacturers.

Request a quote today!

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 604-754-5943.

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.

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Specifications are subject to change without notice.