

# FTX-602-PWR+ Fiber Optic Temperature Transmitter

## Reliable Industrial Thermal Monitoring



FTX-602-PWR+  
Transmitter

OSENSA's fiber optic temperature sensors offer noise-free performance and calibration-free replacement of aging RTD's and PT-100's in many industrial applications. The FTX-602-PWR+ is a general-purpose industrial fiber optic temperature transmitter offering industry leading performance and reliability. Each signal conditioner accepts six optical fiber sensor inputs for microwave process control or monitoring of medium voltage electrical equipment such as switchgear, bus bars, motors, generators, cast resin transformers, circuit breakers, and diode heat sinks. Temperatures are reported digitally over a 3-wire RS-485 bus talking Modbus RTU protocol. Multiple transmitters can be connected in series on a standard 35mm DIN rail with a common 5-wire BUS for DC power and communications.

### 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](mailto: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](http://www.osensa.com) or email: [info@osensa.com](mailto:info@osensa.com).



## Product Specifications

<b>Model Name</b>	<b>FTX-602-PWR+</b>
<b>Number of Channels</b>	6
<b>Digital Interface</b>	Isolated 3-wire RS-485
<b>Measurement Range</b>	-40°C to +200°C
<b>Resolution</b>	0.1°C
<b>System Accuracy</b>	±1.0°C (No calibration required, ever)
<b>Update rate</b>	30 Hz
<b>Communication Protocol</b>	Modbus RTU, Half Duplex, 9600 to 115200 baud
<b>Status Indication</b>	3 Color Flashing and Solid LEDs
<b>Operating Humidity</b>	0 to 90% RH (Non-Condensing)
<b>Operating Environment</b>	-40°C to +65°C
<b>Power</b>	12-24 VDC (2.5W max)
<b>Dimensions</b>	114mm Tall x 22.5mm Wide x 102mm Long
<b>Mounting</b>	35mm DIN Rail
<b>Configuration Software</b>	OSENSAView or OSENSAView Pro
<b>Product Compliance</b>	<b>RoHS CE cULus</b>

### Notes:

1. Use with OSENSA's general purpose fiber optic temperature probes: PRB-PF1 and PRB-GB3.
2. For longer distances add extension cable EXT-100-10M-ST-ST, in lengths 10M, 20M, or 30M.
3. Combine with OSENSA's HMI-001 or HMI-001-RELAY for display and data capture to the cloud.