

Fiber Optic Temperature Sensing for Medium Voltage Applications

HTX-100-PWR Handheld Optical Thermometer



HTX-100-PWR

Convenient Fiber Optic Temperature Sensing

Designed for applications in the power industry, the HTX-100-PWR series optical thermometer offers flexibility as a portable, battery-powered, temperature sensing and diagnostic tool. Users can quickly check probe health at time of install with the backlit LCD displaying both temperature and signal level. The HTX-100-PWR can also connect to a computer using a mini USB cable for data logging with OSENSAView Pro software. The handheld unit is ruggedized with a shock-proof silicone cover making it a great choice for use in OEM manufacturing and field service. The HTX-110-PWR model is designed specifically to support connector-less probe styles like the PRB-110 and PRB-910 used on medium voltage equipment.

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	HTX-100-PWR	HTX-110-PWR
LED Color	BLUE	RED
Probe Connection Type	ST	Bare Fiber Twist Lock
Digital Interface	USB-mini	
Operating Environment	-20°C to +50°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	
Display	Backlit LCD Character Display	
Operating Humidity	0 to 90% RH (Non-Condensing)	
Dimensions	122mm Long x 76mm Wide x 36mm Depth (with silicone cover)	
Power	Standard 9V Alkaline or Rechargeable	
Configuration Software	OSENSAView or OSENSAView Pro	
Product Compliance	RoHS CE	
Supported Probes	PRB-PF1 PRB-GB3	PRB-110 PRB-910 PRB-GB4

Note: Measurement range can be extended from -110°C to +200°C for some probe styles.