

# Fiber Optic Temperature Sensing for Research Applications

## HTX-100-MRI Handheld Optical Thermometer



HTX-100-MRI

### Convenient Fiber Optic Temperature Sensing

The HTX-100-MRI optical thermometer is ideally suited for research applications in life sciences and MRI applications. The HTX-100-MRI has a simple backlit LCD screen that displays temperature and optical probe health. The HTX-100-MRI connects 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 checking individual probe health before running more involved tests. The HTX-100-MRI can also read Luxtron brand Fluoroptic® temperature probes.

**CAUTION:** This device is not to be used inside the MRI suite as it contains magnetic parts.

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



## Product Specifications

Model Name	HTX-100-MRI	
LED Color	RED	
Probe Connection Type	ST	
Digital Interface	USB-mini	
Operating Environment	-20°C to +50°C	
Measurement Range*	-40°C to +120°C	
Resolution	0.01°C	
System Accuracy	±0.15°C with Calibration Coefficient	
Update rate	30 Hz	
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	CE	
Supported Probes	OSENSA -MRI Style Probes PRB-220, PRB-242, PRB-G20-MRI, PRB-G40-MRI, PRB-500, PRB-100	Luxtron Fluoroptic® STB, STS, STR, STM, STF, MicroProbe

Note: Measurement range can be extended from -95°C to +200°C for some probe styles.