

MRI & Laboratory Temperature Sensing

Non-magnetic, Non-Conducting, Optical Fiber Probes with Exceptional Precision

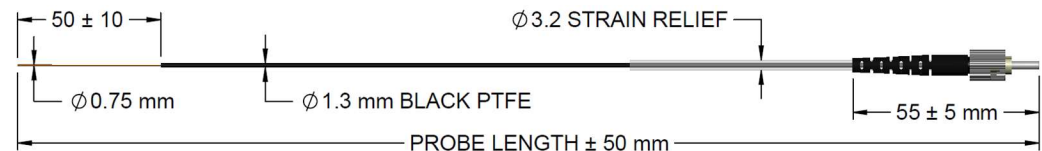
OSENSA's Fiber optic temperature sensors are specifically designed for MRI environments and set a new standard for implantable device testing. Not only are these probes immune to high intensity magnetic fields, microwaves, and low-concentration X-rays, but they also offer industry leading accuracy, precision, and reliability. Both probe styles offer an exceptionally fast response time, and are ideally suited for dermal sensing and small animal studies.

Product Specifications

PRB-400-2.0M-STM-MRI



PRB-G40-2.0M-STM-MRI



System Specifications	PRB-400-2.0M-STM-MRI	PRB-G40-2.0M-STM-MRI
Calibrated Accuracy (10°C to 60°C)	± 0.10°C	± 0.10°C
Stability (15min)	± 0.02°C	± 0.02°C
Noise (1 second averaging)	± 0.02°C	± 0.02°C
Measurement Range	-40°C to 100°C	-40°C to 200°C
Immersion Response Time Constant	0.3s	0.3s
Tip Diameter	750µm	750µm
Minimum Bend Radius	15mm	50mm
Probe Materials	PVC & Polyimide	PTFE & Polyimide

Notes:

1. Compatible with OSENSA's FTX-300-LUX+ and HTX-100-MRI fiber optic signal conditioners.
2. Probe lengths can be specified from 0.5m to 5m.
3. For longer distances add extension cable EXT-400-02M-ST-ST, in lengths from 2m to 50m.

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 research application. OSENSA's team has many years of experience designing fiber optic temperature probes for various laboratory 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.

