

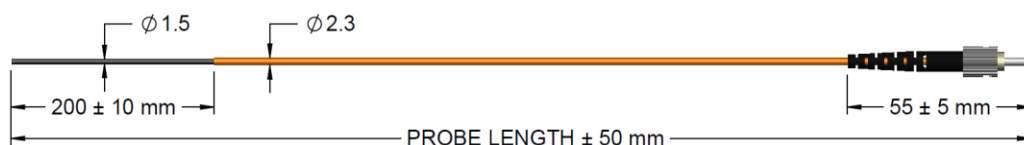
MRI & Laboratory Temperature Sensing

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

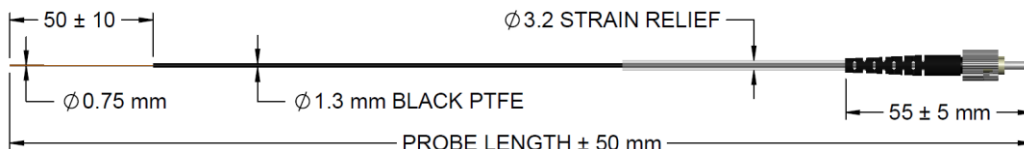
OSENSA's Fiber optic temperature sensors are specifically designed for MRI environments and set a new standard for implantable device testing. Not only are these probes immune to high intensity magnetic fields, microwaves, and low-concentration X-rays, but they also offer industry leading accuracy, precision, and reliability.

Product Specifications

PRB-MR1-2.0M-STM-MRI



PRB-G40-2.0M-STM-MRI



System Specifications	PRB-MR1-2.0M-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
Optional Temperature Range	-70°C to 100°C	-70°C to 200°C
Immersion Response Time Constant	1.5s	0.3s
Tip Diameter	1500µm	750µm
Minimum Bend Radius	15mm	50mm
Probe Materials	Nylon	PTFE & Polyimide

OSENSA's life sciences temperature probes provide accurate and reliable temperature sensing for a variety of MRI and laboratory research applications. The PRB-MR1 style is a general purpose, ruggedized, all polymer optical fiber temperature sensor that can withstand daily abuse. The PRB-G40 style offers an exceptionally fast response time, and is ideally suited for dermal sensing and implantable device testing. Both probe styles offer exceptional accuracy and precision when coupled with OSENSA's FTX-300-LUX+ signal conditioner. Add OSENSAView PRO software with real-time graphing, statistics, and data logging, and you have a powerful research tool that is both easy to use and affordable.

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.

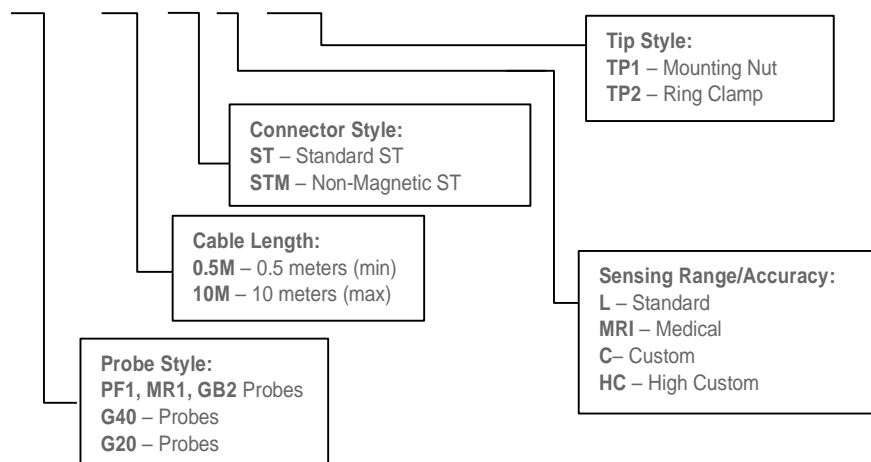
Temperature Transmitters

Please consult the table below to ensure you are ordering the correct transmitter for the probe style you desire. Also note that only the -LUX+ and -XFMR+ series can be ordered as 1, 2 or 3 channel devices. For instance, an FTX-100-LUX+ is a single channel device and an FTX-201-XFMR+ is a 2 channel device.

Model #	Fiber Optic Temperature Probe Styles						Extension Cables		
	PF1	GB2	MR1	G40	G20	LUXTRON™	PF1	400	200
FTX-602/302-PWR	✓	✓					✓		
FTX-301-PWR+	✓	✓					✓		
FTX-300-LUX+			✓	✓	✓		✓	✓	✓
FTX-301-XFMR+						✓		✓	✓

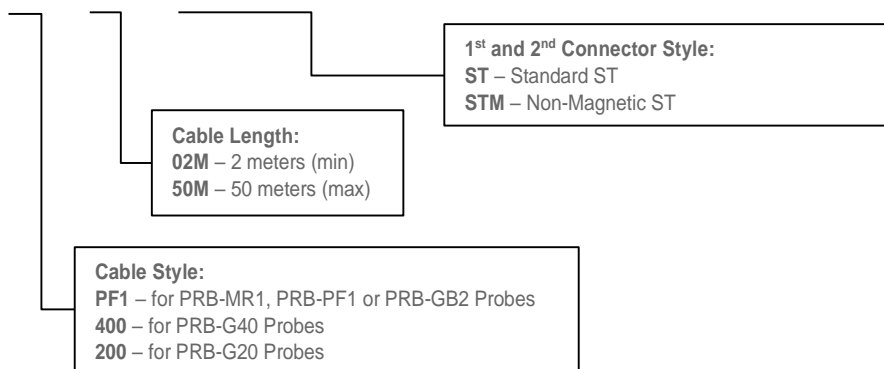
Fiber Optic Temperature Probes

PRB-PF1-06M-ST-L-TP2



Fiber Optic Extension Cables

EXT-400-10M-STM-STM



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Purchase Orders

Please email purchase orders containing the following information to info@osensa.com:

1. Purchase Order number and date when items are required
2. Ship to address, including contact person and telephone number
3. Bill to address
4. Accounts receivable email address including contact person and telephone number
5. Courier account number or note for Osenza to add shipping charges to the invoice. Please note that Osenza only ships products by the following couriers; Fedex, DHL, UPS, TNT, and Purolator. If shipping insurance is desired, you must indicate on the PO to include insurance and designate a value to insure. Osenza is not liable for loss or damage once products leave our factory, even if Osenza pays the shipping charges.

Payment

Please note the following payment terms:

1. For orders from new customers, Osenza expects payment in advance of shipping and will hold the order until payment is received. Payment may be made by international bank wire transfer, credit through PayPal, or by Cheque (international cheques will be held for up to 21 days). Contact info@osensa.com for wire transfer instructions.
2. Credit terms may be granted on a case-by-case basis. Overdue invoices may be charged an interest penalty of 18% per annum, or a \$100 USD late payment fee, whichever is greater.
3. Osenza reserves the right to refuse any order without explanation.
4. Osenza may request a minimum order value of \$1000 USD for new customers.

Additional terms and conditions may be found at www.osensa.com/terms_conditions.php