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**

- Calibration Accuracy (10°C to 60°C) ± 0.10°C
- Stability (15min) ± 0.02°C
- Noise (1 second averaging) ± 0.02°C
- Measurement Range -40°C to 100°C
- Immersion Response Time Constant 0.3s
- Tip Diameter 750µm
- Minimum Bend Radius 15mm
- Probe Materials PVC & Polyimide

**PRB-G40-2.0M-STM-MRI**

- Calibration Accuracy (10°C to 60°C) ± 0.10°C
- Stability (15min) ± 0.02°C
- Noise (1 second averaging) ± 0.02°C
- Measurement Range -40°C to 200°C
- Immersion Response Time Constant 0.3s
- Tip Diameter 750µm
- Minimum Bend Radius 50mm
- Probe Materials 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.
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.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Fiber Optic Temperature Probe Styles</th>
<th>Extension Cables</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTX-602/302-PWR</td>
<td>PF1, GB3, MR1, G40, G20, LUXTRON™</td>
<td>PF1, 400, 200</td>
</tr>
<tr>
<td>FTX-301-PWR+</td>
<td>PF1, 400</td>
<td></td>
</tr>
<tr>
<td>FTX-300-LUX+</td>
<td>PF1, 400</td>
<td></td>
</tr>
<tr>
<td>FTX-301-XFMR+</td>
<td>PF1, 400</td>
<td></td>
</tr>
</tbody>
</table>

Fiber Optic Temperature Probes

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

- Connector Style: ST – Standard ST
  STM – Non-Magnetic ST
- Cable Length: 0.5M – 0.5 meters (min)
  10M – 10 meters (max)
- Tip Style: TP1 – Mounting Nut
  TP2 – Ring Clamp
- Sensing Range/Accuracy: L – Standard
  MRI – Medical
  C – Custom
  HC – High Custom
- Probe Style: PF1, MR1, GB3 Probes
  G40 – Probes
  G20 – Probes

Fiber Optic Extension Cables

EXT-400-10M-STM-STM

- 1st and 2nd Connector Style: ST – Standard ST
  STM – Non-Magnetic ST
- Cable Length: 02M – 2 meters (min)
  50M – 50 meters (max)
- Cable Style: PF1 – for PRB-MR1, PRB-PF1 or PRB-GB3 Probes
  400 – for PRB-G40 Probes
  200 – for PRB-G20 Probes
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 Osena to add shipping charges to the invoice. Please note that Osena 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. Osena is not liable for loss or damage once products leave our factory, even if Osena pays the shipping charges.

Payment

Please note the following payment terms:

1. For orders from new customers, Osena 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. Osena reserves the right to refuse any order without explanation.
4. Osena 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