

Fiber Optic Temperature Probes

Non-conducting, Microwave and RF Immune Optical Fiber Probes

OSENSA's fast response temperature probes provide accurate and reliable temperature sensing for a variety of high voltage, microwave and laboratory research applications requiring immunity to high intensity electro-magnetic fields and RF energy. These probes are constructed with high quality glass optical fiber and can handle temperatures up to 350°C while providing extremely fast response times.

Product Specifications

PRB-G40



PRB-G20



Probe Style	PRB-G40-2.0M-ST-C / HC	PRB-G20-2.0M-ST-C / HC
Standard Range (-C) ±1.0°C	-40 to +250°C	-40 to +250°C
High Temperature Range (-HC) ± 2.0°C	-40 to +350°C	-40 to +350°C
Probe Length (2.0m default)	0.5 to 10m	0.5 to 10m
Exposed Length	50mm	50mm
Extension Cable	EXT-400-x.xM-ST-ST	EXT-200-x.xM-ST-ST
Fiber core diameter	400µm	200µm
Min. bend radius	60mm	40mm
Polyimide tip diameter	650µm	450µm
Response Time	250ms	200ms

The PRB-G40 and PRB-G20 probe styles are only compatible with Osenza's FTX-300-LUX+ series signal conditioners. These solid core glass optical fiber probes are sensitive to tight bends and more fragile than OSENSA's PRB-GB3 and PRB-PF1 style temperature probes. Care must be taken during installation and handling to avoid accidental damage. Please specify the desired temperature range and probe length when ordering. The standard probe length is 2.0m, but extension cables can be added for installation distances up to 50m. Custom calibrations are also available if higher accuracy or extended temperature ranges are required.

TECHNICAL SUPPORT

OSENSA Innovations offers on-site support, commissioning, and training for all of its products.

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.

