

PRB-1000-HT

Fiber Optic Temperature Probe

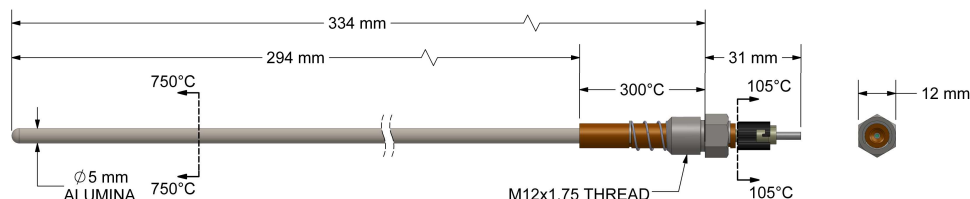
High Temperature Sensing

Optical Fiber Probes with Exceptional Accuracy

OSENSA's high temperature PRB-1000 temperature probes offer exceptional accuracy with complete immunity to RF Microwave, inductive and plasma environments. They provide accurate and reliable temperature sensing for a variety of semiconductor wafer processing and microwave applications requiring immunity to high intensity electro-magnetic fields and RF energy. These probes are constructed from materials allowing temperature measurements up to 750°C while providing extremely repeatable process control.

Product Specifications

PRB-1000-0.35M-ST-HT



System Specifications	PRB-1000-0.35M-ST-HT
Calibrated Accuracy (350°C to 750°C)	± 0.5°C
Stability (15min)	± 0.1°C
Noise (1 sigma, 5s averaging)	± 0.05°C
Measurement Range	0°C to 750°C
Max withstand temperature	850°C
Immersion Response Time Constant	30s
Fiber Core Diameter	1000 µm
Probe Diameter	5 mm
Probe Materials	Polyimide & Alumina

Notes:

- Compatible with OSENSA's FTX-300-LUX+HT series fiber optic signal conditioners.
- Each probe comes with a custom calibration with best accuracy achieved between 350°C to 750°C. Temperatures from 0 to 350°C may report with less accuracy.
- The probe requires extension cable EXT-100-05M-ST-ST (5 meters max)
- Probe is sensitive to bright ambient light. It may require additional shielding to read accurately in plasma or other bright environment.

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.

