

PRB-910

Fiber Optic Temperature Probe

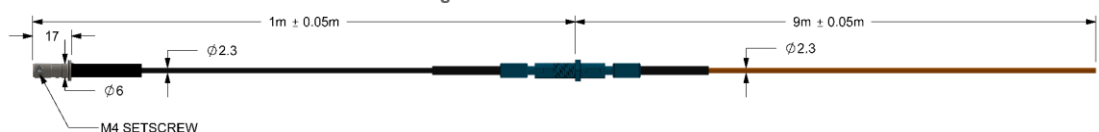
Medium Voltage Temperature Measurement

OSENSA's PRB-910 medium voltage fiber optic temperature sensors install on switchgear contacts, bus bars, cast resin transformers, motors, and generator windings to provide reliable 24/7 thermal monitoring with noise-free performance. The probes are constructed from durable, high dielectric strength materials and have been tested to safely operate on equipment rated up to 38 kV (3 phase)¹. They install quickly and can be ordered with optional probe-tip attachments suitable for various applications.

Probe Specifications

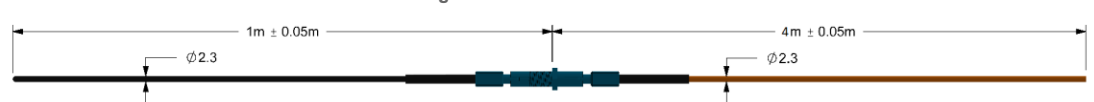
PRB-910-10M-NC-L-TP2

200°C Max temperature along tip and first 1m cable, 85°C Max temperature along rest of cable



PRB-910-05M-NC-L

200°C Max temperature along tip and first 1m cable, 85°C Max temperature along rest of cable



Model #	Maximum Rating	Sensing Range	Accuracy ²	Jacket	Bend Radius
PRB-910-10M-NC-TP2	38 kV, 3 phase ¹	-40 to +200°C	±2.0°C	FEP (tip to 1m) Nylon (rest of cable)	8 mm 25 mm
PRB-910-05M-NC-L	38 kV, 3 phase ¹	-40 to +200°C	±2.0°C	FEP (tip to 1m) Nylon (rest of cable)	8 mm 25 mm

CONNECTOR RING MOUNTING OPTIONS



Notes:

1. Tested to IEEE C37.23-2003 "IEEE Standard for Metal-Enclosed Bus".
2. Factory tested at 120°C to ±1.0°C, but may be ±2.0°C over entire sensing range
3. Compatible with OSENSA's FTX-910-PWR+R and FTX-911-PWR+R, fiber optic temperature transmitters (signal conditioners).
4. Probe lengths of 5m and 10m are available. Probes are easily cut to shorter lengths at time of

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 power monitoring application. OSENSA's team has many years of experience designing fiber optic temperature probes for various industrial 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.

