



# LIG Thermometer Certification



Certificate No. 1896.01

## PTC Metrology™ is Accredited by A2LA to ISO/IEC 17025:2005 and ANSI/NCSL Z540.1

### NIST Traceable - A2LA Accredited (ISO 17025) Certifications for LIG Thermometers

PTC Metrology™ meets the requirements of ISO/IEC Guide 17025:2005, ANSI/NCSL Z540.1, and ISO 9001 or 9002 for NIST traceable certifications.

Certifications will include: as received and as returned data; a statement of uncertainty; laboratory conditions; and information on the primary standards. Minimum 3 Points per instrument.

To assist you in choosing test points, please refer to ASTM E-77 and NIST recommendations.

## Calibration Procedures

NIST traceable primary reference standards are used in accordance with PTC Metrology™ ISO/IEC 17025:2005 compliant procedures which meet the requirements of ISO 9000 Series quality standards. The Unit Under Test (UUT) is inspected under polarized light utilizing a Polariscope for stress; the capillary is inspected under magnification to check for contaminants and discernible irregularities; and the UUT is held at 23°C for 72 hours. The UUT is compared with standard thermometers held by PTC Metrology™. All measurements are traceable to NIST. Temperature scale used is the ITS-90. PTC Metrology™ is an A2LA accredited laboratory for temperature calibration.

TEMPERATURE RANGE °C	TEMPERATURE RANGE °F	
Liquid Nitrogen -196°C	Liquid Nitrogen (approx.) -320°	\$110.00*
-75°C to < -37°C	-103°F to < -35°F	\$100.00
-37°C to < 0°C	-35°F to < 32°F	\$100.00
Triple Point of water +0.01°C		\$175.00
0°C to 100°C	32°F to 212°F	\$60.00
>100°C to 270°C	>212°F to 572°F	\$80.00

\*Plus the cost of Liquid Nitrogen



### Packaging

PTC Metrology™ can provide you with packaging material to send in your liquid in glass thermometer for calibration and certification.

### Notification of next due calibration

PTC Metrology™ will notify you by email when your instrument is due for recalibration, in accordance with the period of validity your quality system specifies.

## Other Calibration Services

NIST traceable certifications by our A2LA accredited laboratory are available for LIG, ASTM, Digital, and Bimetal Surface & Stem thermometers; as well as for PRT's and Thermocouples & Probes; Pressure Gauges, Hygrometers, and Durometers.

Visit our website for more information and to view our [A2LA Certificate and Scope of Accreditation](#).



PTC® Instruments Manufacturing and PTC Metrology™ Calibration Lab located at: 2301 Federal Avenue • Los Angeles, CA 90064