

ITS-90 TEMPERATURE CALIBRATIONS

Device	Calibration Service	Temperature	Uncertainty	Accreditation
SPRT, Precision Thermistor	Fixed Point Calibration	-189.3443°C (Argon Triple Point)	1.04 mk	<i>Application Submitted</i>
		-38.8344°C (Mercury Triple Point)	0.84 mk	<i>Application Submitted</i>
		0.01°C (Water Triple Point)	0.29 mk	<i>Application Submitted</i>
		29.7646°C (Gallium Melt Point)	0.94 mk	<i>Application Submitted</i>
		156.5985°C (Indium Freeze Point)	1.22 mk	<i>Application Submitted</i>
		231.928°C (Tin Freeze Point)	1.37 mk	<i>Application Submitted</i>
		419.527°C (Zinc Freeze Point)	1.69 mk	<i>Application Submitted</i>
		660.3223°C (Aluminum Freeze Point)	2.16 mk	<i>Application Submitted</i>
SPRT, PRT	Comparison to SPRT	-196°C to 660°C	±8 to 21 mk	NVLAP
Thermistor	Comparison to SPRT	-40°C to 150°C	±8 to 10 mk	NVLAP
Thermocouple	Comparison to SPRT or Type S Thermocouple	-196°C to 1100°C	1.1 mk	<i>Application Submitted</i>
Liquid-in-Glass	Comparison to SPRT	-40°C to 250°C	±8 to 20 mk	<i>Application Submitted</i>
Digital Readouts	Resistance Accuracy	0 to 10k Ohms	±8 to 26 ppm	NVLAP

All include ITS-90 coefficients, temperature vs. resistance tables or temperature vs. W value tables available upon request

Italics are estimates until NVLAP approval