



SensoScientific.
 SensoScientific Calibration Lab
 685 Cochran Street, Suite #200
 Simi Valley, CA 93065
 ISO 17025-2017 Accredited

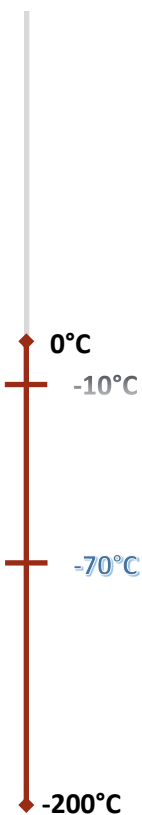
Standard Calibration

Listed below are the options that the SensoScientific Lab offers for Standard Calibration. The two-point calibration provided is suitable for a narrow range of application. For larger ranges of application, custom calibration is recommended to meet specific needs.

Cryogenic



Temperature



Ultra Low



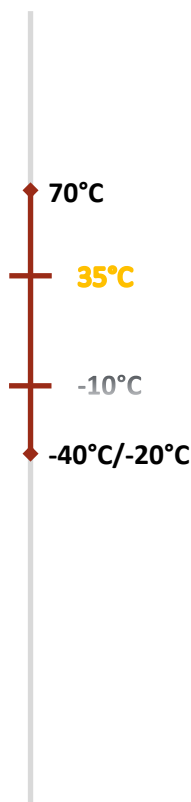
Temperature



Standard



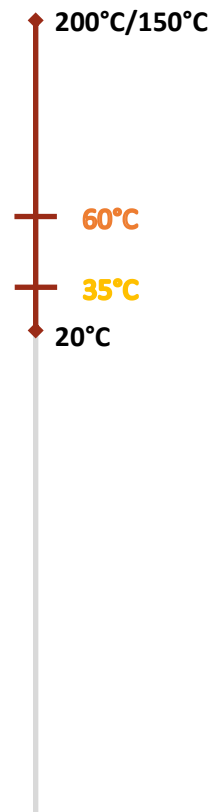
Temperature



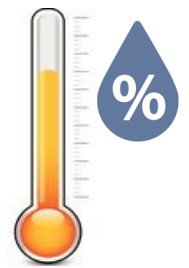
Incubator



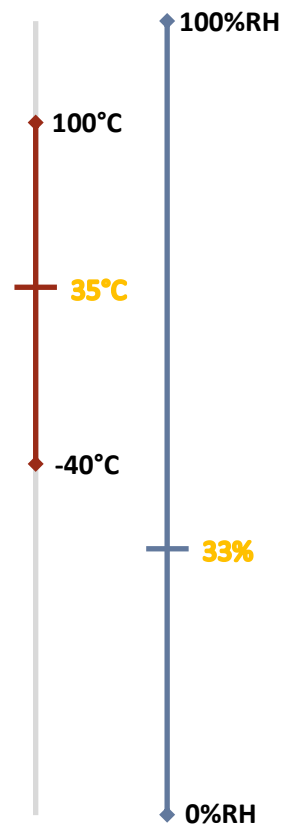
Temperature



Temperature Humidity



Temperature Humidity





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OTA
 Non-OTA

Temperature and Humidity Probes

Description	Specifications	Measuring Parameter(s)	Production Number	Range	Accuracy
Standard Digital Temperature Single/ Double Probe	Cable Length: 12ft Probe Length: 3.6" 2W/4W, Digital	Temperature	DTP12-x	(-20 to 70)°C	±0.5°C
Incubator Digital Temperature Probe	Cable Length: 12ft Probe Length: 2" 2W, Digital	Temperature	DTP12-xH	(20 to 150)°C	±0.625°C
Temperature/Humidity Probe	Probe Length: 2" 4W, Digital	Temperature/ Humidity	HT01_OTA	(-40 to 100)°C (0 to 100)%RH	±0.5°C ±3%RH
Standard Temperature Probe 6ft	Cable Length: 6ft Probe Length: 3.6" 4W, Pt100, RTD	Temperature	SULTP02	(-50 to 70)°C	±0.5°C Class A
Standard Temperature Probe 12ft	Cable Length: 12ft Probe Length: 3.6" 4W, Pt100, RTD	Temperature	SULTP05	(-50 to 70)°C	±0.5°C Class A
High Precision Temperature Probe	Cable Length: 6ft Probe Length: 3.6" 4W, Pt100, RTD	Temperature	SHPTP02	(-80 to 200)°C	±0.3°C Class 1/10DIN
Ultra Low Temperature Probe	Cable Length: 6ft Probe Length: 3.6" 4W, Pt100, RTD	Temperature	ULFTP02	(-80 to 50)°C	±0.5°C Class A
Ultra Low Temperature Probe	Cable Length: 12ft Probe Length: 3.6" 4W, Pt100, RTD	Temperature	ULFTP05	(-80 to 50)°C	±0.5°C Class A
Cryogenic Temperature Probe	Cable Length: 6ft Probe Length: 3.6" 4W, Pt100, RTD	Temperature	SCRTP02	(-200 to 0)°C	±0.5°C Class A
Incubator Temperature Probe	Cable Length: 6ft Probe Length: 3.6" 4W, Pt100, RTD	Temperature	SHTP02	(20 to 200)°C	±0.5°C Class A
Short Temperature Probe	Cable Length: 6ft Probe Length: 1.2" 4W, Pt100, RTD	Temperature	SHTP02	(20 to 200)°C	±0.5°C Class A
Temperature and Humidity Probe	Cable Length: 2.5" Probe Length: 2.5" 4W, Capacitor, I2C	Temperature Humidity	HT01	(-40 to 100)°C 0 to 100)%RH	±0.5°C ±3%RH
Temperature and Humidity Probe 14ft	Cable Length: 14ft Probe Length: 2.5" 4W, Capacitor, I2C	Temperature Humidity	HT01	(-40 to 100)°C 0 to 100)%RH	±0.5°C ±3%RH



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Customer Calibration

Custom Calibration is useful when calibration needs to be further customized to match a defined application or meet specific regulatory policies. Calibration points can be selected according to what the SensoScientific Lab can produce. Below are listed the ranges of temperature that the SensoScientific Lab is capable of meeting. Third Party options may be available to outsource calibration for anything outside the SensoScientific Lab's scope.

A2LA Calibration Scope

Parameter/Equipment	Range	CMC ² (±)	Comments
Temperature - Temperature Measuring Devices	(-50 to 10)°C (-10 to 20)°C (20 to 35)°C (35 to 100)°C	0.50°C 0.37°C 0.28°C 0.48°C	Chamber with temperature - Humidity Sensor
	(-50 to -20)°C (-20 to 70)°C (70 to 100)°C	0.87°C 0.67°C 0.88°C	Bath with Temperature and Probe
Humidity - Humidity Measuring Devices	(20 to 80) % RH	1.5 % RH	Humidity Chamber with Humidity Sensor

NIST Traceable Scope

Parameter/Equipment	Range	CMC ² (±)	Comments
Temperature - Temperature Measuring Devices	(-50 to 10)°C (-10 to 20)°C (20 to 35)°C (35 to 100)°C	0.50°C 0.37°C 0.28°C 0.48°C	Chamber with temperature - Humidity Sensor
	(-80 to -50)°C (-50 to -20)°C (-20 to 70)°C (70 to 100)°C (100 to 130)°C	0.98°C 0.87°C 0.67°C 0.88°C 0.38°C	Bath with Temperature and Probe
Humidity - Humidity Measuring Devices	(20 to 80) % RH	1.5 % RH	Humidity Chamber with Humidity Sensor



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Customer Calibration

- Humidity Chamber -

For calibration of humidity and temperature, the allowable ranges are highlighted below in blue. Calibration cannot be reached in regions highlighted red.

