

Laboratory's Scopes of Calibration

Field of Calibration	Properties of Measured	Range	Calibration Methods
Temperature	Temperature Indicator / Simulator Calibrations Group		
	Soldering Iron Testers	TC: All types RTD: All types	EA-10/11
	Dip Testers		
	Reflow Checkers (Without sensor)		
	Temperature Recorders		
	Hybrid Recorders		
	Temperature Controllers		
	RTD Indicators		
	RTD Simulators		
	Thermocouple Simulators (No cold junction)		
	Thermocouple Simulators (With cold junction)		
	Thermometers Calibrations Group		
	Digital/Analog Thermometers + Sensors	Temp: -20°C-1200°C	Comparison with SPRT
	Surface Thermometers + Sensors		
	RTD Sensors (High accuracy type) (Best uncertainty: 0.05°C)		ASTM E644-98 by comparison with SPRT
	RTD Sensors (Low accuracy type) (Uncertainty: >0.15°C)		
	Thermocouple Sensors [Range: -20°C-660°C] (Uncertainty: < 0.3-0.4°C)		ASTM E220-86 by comparison with SPRT
	Thermocouple Sensors [Range: -20°C-660°C] (Uncertainty: > 0.4°C)		
	Thermocouple Sensors [Range: > 660°C]		by sub-contract
Liquid-in-glass Thermometers (Total immersion type: -20°C - 150°C)	ASTM E77-92 by comparison with SPRT		
Liquid-in-glass Thermometers (Total immersion type: > 150°C)	by sub-contract		
Liquid-in-glass Thermometers (Partial immersion type)	by sub-contract		
Thermo-Hygrographes [0-98°C - 30-90%RH]	Comparison method		
Thermo-Hygrometers [0-98°C - 30-90%RH]			

Laboratory's Scopes of Calibration

Field of Calibration	Properties of Measured	Range	Calibration Methods
Temperature	Temperature Source Calibrations Group		
	Dry Block / Dry-Well Calibrators [Range: -20°C-660°C]	Temp: -20°C-1200°C	EA-10/13
	Dry Block / Dry-Well Calibrators [Range: > 660°C]		by sub-contract
	Liquid Calibration Bath [Range: -20°C-140°C]		ASTM E715-80
	Liquid Calibration Bath [Range: > 140°C]		by sub-contract
	Chambers / Ovens (Site calibration) [Range: -20°C-200°C]		ASTM E145-94 and AS2853-1986
	Chambers / Ovens (Site calibration) [Range: > 200-400oC]		by sub-contract