

TEMPERATURE LABORATORY

Introduction

KEBS Temperature Laboratory is the national custodian for the SI unit for temperature – the Kelvin – and offers traceability nationwide to the SI through calibrations to its reference standards. The laboratory operates under ISO/IEC 17025 – General requirements for testing and calibration laboratories quality system and uses both in house developed calibration methods and standard calibration methods (ISO, DKD, NIST, ASTM, customer supplied methods) on the various equipment. A pool of qualified scientists undertakes the calibrations, and also offer beginner and advanced training courses in temperature measurements and calibration. Continual expansion and investment in new technologies, instrumentation and laboratory personnel has led to accreditation by DAKKS, for accreditation scope click here ([link](#)).

KEBS Calibration Services Offered

Equipment	Range Covered
Standard Platinum Resistance Thermometers (SPRT)	-40 °C to 420 °C
Industrial Platinum Resistance Thermometers (PRT/PT100)	-40 °C to 420 °C
Liquid-In-Glass Thermometers	-40 °C to 420 °C
Mechanical (Dial Gauge) Thermometers	-40 °C to 420 °C
Direct Reading Electrical (Digital) Thermometers	-40 °C to 420 °C
Noble Metal Thermocouples (Type 'S' & 'R')	30 °C to 1300 °C
Conditioned Chambers: Freezers, Cold Rooms, Refrigerators, Incubators, Ovens, Furnaces, Refrigerated Trucks	-80 °C to 1300 °C
Fluid Baths (Oil/Water/Alcohol/Sand Bath)	-40 °C to 420 °C
Autoclaves/Sterilizers	100 °C to 150 °C
Thermocouple Indicators & Controllers	-270 °C to 1370 °C
Resistance Indicators & Controllers	-190 °C to 640 °C
Climatic/Humidity Chambers	0 °C to 50 °C 0% RH to 100% RH
Hygrometers & Thermohygrometers	-10 °C to 50 °C 0% RH to 100% RH



Base Metal Thermocouple (Type 'J' & 'K')	-40 °C to 1300 °C
Infrared Thermometer	30 °C to 1200 °C
Blackbody calibrator	-30 °C to 900 °C
Dry Block/Well calibrator	-40 °C to 420 °C



Ongoing expansion and investment in technology and personnel have earned the Temperature Lab a DAKKS accreditation

Contact

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