

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



Valid from 14 February 2024
to 13 December 2024
Issued on 14 February 2024



ISO/IEC 17025
CL 013-01

Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: CL 013-01

**Sri Lankan Engineering Calibration Laboratory,
Aircraft Maintenance Department,
Airline Centre,
Bandaranaike International Airport,
Katunayake.**

Scope of Accreditation: Performing Thermal Calibrations as per the test methods appearing in the schedule

The Laboratory is accredited for the following tests appear on page 02 to 04;

SI No	Type of instrument	Calibration performed	Calibration methods / Measurement procedure	Range of calibration	CMC values	Location	
T.1.1	Temperature measuring indicators using detachable type thermocouple sensors (type K thermocouple)	Calibration of temperature indicators by electrical simulation	CAL/TMD/07; Issue No 02 (Rev 00) Calibration by direct comparison with a reference standard.	(including thermocouple wire)	-200°C to -100°C <(-100°C) to -10°C <(-10°C) to 800°C < 800°C to 1200°C <1200°C to 1372°C	1.3°C 0.8°C 0.7°C 0.9°C 1.0°C	Permanent laboratory/Site
				(Excluding thermocouple wire)	-200°C to -100°C <(-100°C) to 1372°C	0.4°C 0.2°C	Permanent laboratory
				(including thermocouple wire)	-200°C to -100°C <(-100°C) to -10°C <(-10°C) to 800°C < 800°C to 1372°C	1.2°C 0.7°C 0.6°C 0.8°C	Site
T.1.2	Temperature measuring indicators using detachable type thermocouple sensors (type T thermocouple)	Calibration of temperature indicators by electrical simulation	CAL/TMD/07; Issue No 02 (Rev 00) Calibration by direct comparison with a reference standard.	(including thermocouple wire)	-250°C to -200°C <(-200°C) to -10°C <(-10°C) to 0°C < 0°C to 100°C < 100°C to 300°C < 300°C to 400°C	2.9°C 1.4°C 0.9°C 0.8°C 0.7°C 0.6°C	Permanent laboratory/Site
				(Excluding thermocouple wire)	-250°C to -150°C <(-150°C) to 0°C < 0°C to 120°C < 120°C to 400°C	0.9°C 0.3°C 0.2°C 0.1°C	Permanent laboratory
				(including thermocouple wire)	-250°C to -200°C <(-200°C) to -10°C <(-10°C) to 0°C < 0°C to 100°C < 100°C to 400°C	2.8°C 1.2°C 0.7°C 0.6°C 0.5°C	Site

SI No	Type of instrument	Calibration performed	Calibration methods / Measurement procedure	Range of calibration	CMC values	Location	
T.1.3	Temperature measuring indicators using detachable type thermocouple sensors (type J thermocouple)	Calibration of temperature indicators by electrical simulation	CAL/TMD/07; Issue No 02 (Rev 00) Calibration by direct comparison with a reference standard.	(including thermocouple wire)	-210°C to -100°C <(-100°C) to 800°C < 800°C to 1200°C	1.1°C 0.6°C 0.7°C	Permanent laboratory/Site
				(Excluding thermocouple wire)	-210°C to -100°C <(-100°C) to 1200°C	0.3°C 0.2°C	Permanent laboratory
					-210°C to -100°C <(-100°C) to 800°C < 800°C to 1200°C	1.1°C 0.5°C 0.6°C	Site
T.1.4	Temperature measuring indicators using detachable type thermocouple sensors (type E thermocouple)	Calibration of temperature indicators by electrical simulation	CAL/TMD/07; Issue No 02 (Rev 00) Calibration by direct comparison with a reference standard.	(including thermocouple wire)	-250°C to -200°C <(-200°C) to -100°C <(-100°C) to -10°C <(-10°C) to 100°C < 100°C to 600°C < 600°C to 1000°C	2.3°C 1.1°C 0.9°C 0.8°C 0.7°C 0.8°C	Permanent laboratory/Site
				(Excluding thermocouple wire)	-250°C to -100°C <(-100°C) to 350°C < 350°C to 1000°C	0.7°C 0.2°C 0.1°C	Permanent laboratory
					-250°C to -200°C <(-200°C) to -100°C <(-100°C) to -10°C <(-10°C) to 1000°C	2.2°C 0.9°C 0.6°C 0.5°C	Site

SI No	Type of instrument	Calibration performed	Calibration methods / Measurement procedure	Range of calibration	CMC values	Location
T.2.1	Temperature simulators using detachable type temperature sensors (type K thermocouples)	Calibration of temperature simulators by electrical measurement	CAL/TMD/07 (Rev 00) Calibration by direct comparison with a reference standard	-100°C to -10°C <(-10°C) to 200°C < 200°C to 800°C < 800°C to 1373°C	0.7°C 0.6°C 0.8°C 1.1°C	Permanent Laboratory/Site
T.2.2	Temperature simulators using detachable type temperature sensors (type T thermocouples)			-199°C to -10°C <(-10°C) to 0°C < 0°C to 200°C < 200°C to 400°C	1.3°C 0.9°C 0.6°C 0.5°C	Permanent Laboratory/Site
T.2.3	Temperature simulators using detachable type temperature sensors (type J thermocouples)			-100°C to 0°C < 0°C to 400°C < 400°C to 1200°C	0.6°C 0.7°C 0.8°C	Permanent laboratory/site
T.2.4	Temperature simulators using detachable type temperature sensors (type E thermocouples)			-100°C to 200°C < 200°C to 400°C < 400°C to 600°C < 600°C to 1000°C	0.7°C 0.9°C 1.4°C 2.0°C	Permanent laboratory/site

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment