



CERTIFICATE OF ACCREDITATION

This is to attest

CALTEKGROUP B SDN BHD

UNIT 6 GROUND FLOOR SPG 501 BANGUNAN ZAINUDDIN & AZIZAH, JALAN TUTONG JALAN TELANAI
BRUNEI MUARA, BA2312, BRUNEI

Calibration Laboratory CL-298

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiration Date February 1, 2027

Effective Date April 10, 2026



International Accreditation Service
Issued under the authority of IAS management

IAS is an ILAC MRA Signatory

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SCOPE OF ACCREDITATION

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CALTEKGROUP B SDN BHD

Contact Name Sanjeev Singh

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Accredited to ISO/IEC 17025:2017

Effective Date April 10, 2026

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT USED (OPTIONAL)
Mechanical			
Vacuum Measurement Devices (Digital/Analogue Vacuum Gauges, Transducers/ Transmitters)	-13 psi to 0 psi	0.09 psi	Digital Pressure Gauge and Vacuum Pump by Comparison Method
Pressure Measurement Devices (Digital / Analogue Pressure Gauges, Transducers, Transmitters, Switches)	0 psi to 30 psi 30 psi to 2000 psi 2000 psi to 15000 psi	0.02 psi 1.2 psi 69 psi	Digital Pressure Gauge and Pneumatic/ Hydraulic Pressure Comparator Pump by Comparison Method
Thermal			
Temperature Sensor with/without Indicator	-30 °C to 100 °C 100 °C to 250 °C 250 °C to 400 °C 250 °C to 600 °C	0.16 °C 0.41 °C 0.6 °C 1.9 °C	RTD / Thermocouple with indicator and Dry Block by Comparison Method
Glass Thermometer	-30 °C to 100 °C	0.2 °C	RTD with indicator and Liquid Bath by Comparison Method
Bath (Liquid/Dry), Incubators, Autoclave, Temperature Enclosure Chambers Ovens Furnace.	-30 °C to 100 °C 100 °C to 250 °C 250 °C to 600 °C	0.27 °C 0.5 °C 1.7 °C	RTD / Thermocouple probe with Digital Indicator (Direct measurement by Single Sensor Method)
IR Thermometer	35 °C to 100 °C 100 °C to 400 °C	1.2 °C 1.8 °C	Thermocouple with Data logger and Black body source by Comparison Method
Thermohydrometer/ Humidity Meters /	5 °C to 50 °C @50 %RH	0.49 °C	Using Temperature & Humidity Meter with Humidity

* If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.

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Data Logger Humidity Transmitters	10 %RH to 95 %RH @ (20 °C to 50 °C)	2.1 %RH	Chamber by Comparison Method
Electrical – DC/LF			
DC Voltage Generate ³	1 mV to 100 mV 100 mV to 1000 V	0.01 % 0.007 %	Using Electrical Multiproduct Calibrator by Direct Method
DC Current Generate ³	10 µA to 1 mA 1 mA to 100 mA 100 mA to 1 A 1 A to 10 A 10 A to 500 A	0.021 % 0.016 % 0.04 % 0.073 % 0.27 %	Using Electrical Multiproduct Calibrator and Current Coil 50 Turn by Direct Method
DC Resistance Generate ³	1 Ω to 10 Ω 10 Ω to 100 Ω 100 Ω to 1 kΩ 1 kΩ to 100 kΩ 100 kΩ to 1 MΩ 1 MΩ to 290 MΩ	0.94 % 0.11 % 0.02 % 0.03 % 0.31 % 0.01 %	Using Electrical Multiproduct Calibrator by Direct Method
AC Voltage Generate ³ (50 Hz to 1 kHz)	30 mV to 100 mV 100 mV to 1 V 1 V to 10 V 10 V to 100 V 100 V to 1000 V	0.25 % 0.04 % 0.05 % 0.07 % 0.07 %	Using Electrical Multiproduct Calibrator by Direct Method
AC Current Generate ³ (50 Hz to 1 kHz)	33 µA to 1 mA 1 mA to 100 mA 100 mA to 1 A 1 A to 10 A 10 A to 500 A	1.0 % 0.18 % 0.15 % 0.40 % 0.44 %	Using Electrical Multiproduct Calibrator and Current Coil 50 Turn by Direct Method
Capacitance Generate ³	(1 kHz) 350 pF to 1nF 1 nF to 10 nF 10 nF to 100 nF (100 Hz) 100 nF to 1 µF 1 µF to 100 µF 100 µF to 1000 µF	1.7 % 0.7 % 0.4 % 0.43 % 0.75 % 1.2 %	Using Electrical Multiproduct Calibrator by Direct Method
Frequency Generate ³	10 Hz to 100 kHz	0.01 %	Using Electrical Multiproduct Calibrator by Direct Method
DC Voltage Measure ⁴	10 µV to 1000 V	0.01 %	Using 6½ Precision Digital Multimeter by Comparison Method

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DC Voltage Measure ⁴ (continued)	1 kV to 5 kV 5 kV to 25 kV	17 % 4.1 %	Using High Voltage Probe Fluke 80K-40 and 4½ Precision Digital Multimeter by Comparison Method
DC Current Measure ⁴	1 mA to 100 mA 100 mA to 1 A 1 A to 10 A	0.06 % 0.08 % 0.03 %	Using 6½ Precision Digital Multimeter by Comparison Method
AC Current Measure ⁴ @ 50 Hz	1 mA to 100 mA 100 mA to 1 A 1 A to 10 A	0.17 % 0.16 % 0.25 %	Comparison Method using 6½ Precision Digital Multimeter
AC Voltage Measure ⁴ @ 50Hz	100 µV to 100 mV 0.1 V to 1000 V	4.7 % 0.10 %	Using 6½ Precision Digital Multimeter by Comparison Method
	1 kV to 5 kV 5 kV to 25 kV	21 % 7.5 %	Using High Voltage Probe Fluke 80K-40 and 4½ Precision Digital Multimeter by Comparison Method
Frequency Measure ⁴	1 Hz to 1000 Hz 1 kHz to 100 kHz	0.58 % 0.06 %	Using 6½ Precision Digital Multimeter by Comparison Method
Resistance Measure ⁴	1 Ω to 100 Ω 100 Ω to 1 kΩ 1 kΩ to 100 kΩ 100 kΩ to 10 MΩ 10 MΩ to 290 MΩ	0.68 % 0.12 % 0.12 % 0.12 % 3.9 %	Using 6½ Precision Digital Multimeter by Comparison Method
Capacitance Measure ⁴	1 nF to 1000 nF 1 µF to 1 mF	0.57 % 1.5 %	Using 6½ Precision Digital Multimeter by Comparison Method
Earth Tester/ Insulation Tester	1 Ω 10 Ω 100 Ω to 1 kΩ 1 kΩ to 10 kΩ 10 kΩ to 100 kΩ 100 kΩ to 1 MΩ 1 MΩ to 100 MΩ 200 MΩ 2 GΩ	1.9 % 0.71 % 1.2 % 1.2 % 1.2 % 1.5 % 1.5 % 3.5 % 4.5 %	Using Resistance Box by Direct Method

¹The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

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²When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

³Capability is suitable for the calibration of measuring devices in the stated ranges.

⁴Capability is suitable for the calibration of devices intended to generate the indicated quantity in the stated ranges.