



INTERNATIONAL
ACCREDITATION
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CERTIFICATE OF ACCREDITATION

This is to attest

UL JAPAN, INC.

4383-326 ASAMA-CHO
ISE-SHI MIE-KEN, OT, 5160021, JAPAN

Calibration Laboratory CL-236

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 January 1, 2030

Effective Date January 13, 2026



International Accreditation Service

Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

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3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

UL JAPAN, INC.

www.ul.com

Contact Name Kazumasa Nishio

Contact Phone +81 81596247355

Accredited to ISO/IEC 17025:2017

Effective Date January 13, 2026

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Dimensional			
Micrometer	Up to 10 mm Discrete Value: 2 mm 5 mm 10 mm	0.00066 mm 0.00077 mm 0.0011 mm	Direct method by using Gauge Blocks
Caliper (Inside and Outside Vernier)	Up to 300 mm Discrete Value: 20 mm 50 mm 100 mm 150 mm 200 mm 250 mm 300 mm	0.0087 mm 0.0088 mm 0.0095 mm 0.011 mm 0.013 mm 0.014 mm 0.016 mm	Direct method by using Caliper Checker
Pin Gauge / Plug Gauge	1 mm to 25 mm	0.0037 mm	Using Micrometer by Direct Method
Length Measurement – Optical - (Beam Profiler)	1 mm to 10 mm	0.75 % + 0.22 µm	Direct method by using Glass Scale
Mechanical			
Vibration Tester	Acceleration 0.5 m/s ² to 500 m/s ²	6.5 %	Using Vibration Meter with Pickup Sensor and Frequency Counter By Direct Method
	Displacement (p-p) 0.03 mm to 10 mm	6.3 %	
	Vibration Tester Frequency 3 Hz to 3000 Hz	0.71 %	

* 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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Absolute Pressure Gauge	7.5 kPa to 16 kPa	0.95 kPa	Comparison Method by using Pressure Meter
Crash Tester (Load --Compression Mode)	100 N to 1000 N 2 kN to 20 kN	9 N 0.1 kN	Force by Direct method using Compression Load Cell with Indicator and Micrometer Head for Displacement.
Displacement- Amount of Travel	1 mm to 10 mm	0.013 mm	
Atmospheric Pressure Meter	950 hPa to 1040 hPa	0.68 hPa	Comparison Method by using Atmospheric Pressure Meter & Pump / Decompression Chamber
Thermal			
Temperature Sensor with Indicators/ Thermometer/ Temperature Gauges	10 °C to 40 °C	0.84 °C	Using Temperature Meter by Comparison Method
Temperature Chamber	-70 °C to 200 °C	0.93 °C	Direct method by using Digital Data Logger with RTD by Single Position Calibration (At Measuring location in DUC)
Humidity Meter/ Humidity Recorder	10 %RH to 85 %RH (20 °C to 40 °C)	2.5 %RH	Comparison Method by Using Temperature and Humidity Meter
Humidity Chamber	10 %RH to 95 %RH (30 °C to 40 °C)	2.6 %RH	Direct method by using Digital Data Logger, Temperature and Humidity Sensor by Single Position Calibration (At Measuring location in DUC)
	20 %RH to 95 %RH (at over 40 °C to 70 °C)	3.9 %RH	
Electrical – DC/LF			
DC Voltage Generate ³	1 mV to 33 mV 33.0001 mV to 1020 V	0.12 % 0.02 %	Using Multi-Function Calibrator by Direct Method
DC Voltage Measure ⁴	2 mV to 202 mV 202.001 mV to 202 V	0.00096 % + 0.00028 mV 0.0008 % + 0.0002 mV	Using Multimeter/



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	202.0001 V to 1020 V 1.020 kV to 10.5 kV	0.00095 % 0.67 %	AC/DC High Voltage Meter by Direct Method
AC Voltage Generate ³	(45 Hz to 1 kHz) 5 mV to 120 mV 120.001 mV to 1020 V	0.21 % 0.06 %	Using Multifunction Calibrator by Direct Method
AC Voltage Measure ⁴	(50 Hz to 60 Hz) 10 mV to 121.2 V 121.2 V to 1020 V 1.020 kV to 10.5 kV	0.020 % 0.042 % 1.6 %	Using Multimeter/ AC High Voltage Meter by Direct Method
DC Current Generate ³	20 µA to 30 A	0.13 %	Direct method by Using Multifunction Calibrator
DC Current Generate ³ (Only for clamp current meter type.)	21 A to 1025 A	0.63 %	Direct method by Using Multifunction Calibrator with Current Coil
DC Current Measure ⁴	10 µA to 20.2 mA 20.2 mA to 20.2 A 20.2 A to 30.2 A	0.009 % + 0.00017 µA 0.096 % 0.11 %	Using Multimeter by Direct Method
	9.5 A to 100 A	0.27 %	Using Resistive Divider with Multimeter by V/I Method
	20 A to 205 A	0.18 %	Using Resistive Divider with Multimeter by V/I Method
AC Current Generate ³	(45 Hz to 1 kHz) 29 µA to 329.99 µA 0.33 mA to 30 A	0.48 % 0.21 %	Using Multifunction Calibrator (For over 20.5A, with Current Coil) by Direct Method
AC Current Generate ³ (Only for clamp current meter type.)	(45 Hz to 65 Hz) 21 A to 1025 A	1.9%	Using Multifunction Calibrator with Current Coil by Direct Method
	(65 Hz to 120 Hz) 21 A to 1025 A	2.4 %	
	(120 Hz to 440 Hz) 21 A to 500 A	2.4 %	
AC Current Measure ⁴	(50 Hz to 60 Hz) 1 mA to 2.02 A 2.02 A to 20.2 A	0.18 % 0.16 %	Using Multimeter by Direct Method

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DC Resistance Generate ³	(for 4 Wire) 1 Ω to 5 Ω 5 Ω to 109.9999 kΩ (for 2 Wire) 1 Ω to 5 Ω 5 Ω to 110 MΩ 110 MΩ to 500 MΩ	1.2 % 0.22 % 1.7 % 0.32 % 1.8 %	Using Multifunction Calibrator (By 2 Wire or 4 Wire) by Direct Method
	1.001 MΩ 10 MΩ 100.2 MΩ	0.0075 MΩ 0.075 MΩ 0.75 MΩ	Using Standard Resistor, by Direct Method
DC Resistance Measure ⁴	1 Ω to 100 kΩ	0.0066 %	Using Multimeter by Direct Method
DC Power Generate ³	(1 mA to 30 A, 1 V to 600 V) 1 mW to 18 kW	0.2 %	Using Multifunction Calibrator by Direct Method
DC Power Generate ³ (Only for Clamp current meter type.)	(21 A to 1025 A, 10 V to 600 V) 210 W to 615 kW	1.3%	Using Multifunction Calibrator (with 50 Turn Current Coil) by Direct Method
AC Power Generate ³ 1 phase, Unity PF	(1 V to 600 V, 3.3 mA to 30 A, 45 Hz to 65 Hz) 3.3 mW to 18 kW (3.3 V to 600 V, 33 mA to 30 A, 65 Hz to 1 kHz) 108.8 mW to 18 kW	0.22 % 0.22 %	Using Multifunction Calibrator by Direct Method
AC Power Generate ³ 1 phase, Unity PF (Only for Clamp current meter type.)	(10 V to 600 V, 21 A to 1025 A, 45 Hz to 65 Hz) 210 W to 615 kW	1.9 %	Using Multifunction Calibrator (with 50 Turn Current Coil) by Direct Method
Voltage Generate ³ (for Voltage Probe)	(DC Voltage) 0.8 V to 1000V (AC Voltage at 10 Hz to 500 kHz) 3 Vrms	1.6 % 0.064 V	Using Multifunction Calibrator with Digital Oscilloscope by Direct Method

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Power Factor Generate ³	0.5 PF to 1 PF	0.00011 PF	Using Multifunction Calibrator by Direct Method
Thermocouple Signal Generate ³	(Type J) -100 °C to 1200 °C	0.3 °C	Direct method by using Multifunction Calibrator
	(Type K) -100 °C to 1372 °C	0.5 °C	
	(Type T) -150 °C to 400 °C	0.3 °C	
Time and Frequency			
Frequency Generate ³	(at 3 V) 5 Hz to 2 MHz	0.002%	Using Multifunction Calibrator by Direct Method
	(at 33 V to 300 V) 45 Hz to 100 kHz	0.0006%	
Time Measure ⁴	0.08 µs to 8 s	0.21 %	Direct method by Using Digital Oscilloscope
	5 s to 3610 s	0.00062 % + 0.047 s	Comparison Method by using Stopwatch
Time Rate Measure ⁴	24 h	0.21 s/d	Using Watch Tester by Direct Method
Frequency Measure ⁴	40 Hz to 300 kHz	0.0058 %	Using Reference Multimeter 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.

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.

p-p = peak to peak
 DUC = device under calibration
 PF = power factor
 s/d = Seconds per day

