Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0083 Calibration
Name of Conformity Assessment Body	Calibration Laboratory, SUKEGAWA ELECTRIC CO., LTD.
Name of Legal Entity	SUKEGAWA ELECTRIC CO., LTD. JCN 6050001023279
Inquiry Point	Calibration Laboratory TEL: +81-293-22-0389 FAX: +81-293-22-0383

*JCN: Japan Corporate Number

24・01・15-NITE-014
2024-01-26

Certificate of Accreditation

International Accreditation Japan (IAJapan) hereby accredits the following conformity assessment body as a calibration laboratory of Japan Calibration Service System.

Accreditation Identification: JCSS 0083 Calibration

Name of Conformity Assessment Body: Calibration Laboratory,
SUKEGAWA ELECTRIC CO., LTD.

Name of Legal Entity: SUKEGAWA ELECTRIC CO., LTD.

Location of Conformity Assessment Body: 3333-23 Kamitezuna, Takahagi-shi, Ibaraki 318-0004, JAPAN

Scope of Accreditation: Temperature (as the following pages)

Accreditation Requirement: ISO/IEC 17025:2017*

* The relevant accreditation requirements described in the Accreditation Scheme Document for JCSS are also applied.

Effective Date of Accreditation: 2021-05-13

Expiry Date of Accreditation: 2025-05-12

Date of Initial Accreditation: 2002-06-25

SAITO Kazunori
Chief Executive, International Accreditation Japan (IAJapan)
National Institute of Technology and Evaluation

- International Accreditation Japan (IAJapan) is a laboratory accreditation body which has signed MRAs of ILAC (International Laboratory Accreditation Cooperation) and APAC (Asia Pacific Accreditation Cooperation).
- MRA requirements are, in addition to relevant international standards and guides, requirements for participation in proficiency testing programs, surveillance and reassessment, and the policy for the traceability of measurement for MRA purpose.
- This laboratory fulfills ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation means this laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).
- The latest accreditation information is publicly available on IAJapan Website as an accreditation certificate.

General Field of Calibration: Temperature
Date of Initial Accreditation of the Field: 2002-06-25
Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facility
Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated			Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)	
Contact Type Thermometer	Fixed point apparatus		Triple point of water	2.5 mK	
	Resistance thermometer (Fixed point calibration)			$W(T_{90})$ (*1)	$R(T_{90})$ (*2)
			Triple point of water	—	3 mK
	Resistance thermometer (Comparison calibration)		From -40 °C up to 35 °C	6 mK	—
			More than 35 °C up to 200 °C	9 mK	—
			More than 200 °C up to 420 °C	13 mK	—
	Thermocouple (Comparison calibration)	R	From -40 °C up to 420 °C (*3) (*6)	0.2 K	
		T		0.1 K	
		K, E, J		0.2 K	
		R, S, B	From 200 °C up to 1100 °C (*4)	0.6 K	
		K, E, J		0.7 K	
		N		0.6 K	
	Temperature sensors with display unit (Comparison calibration)	Resistance thermometer	From -40 °C up to 200 °C	0.018 K	
			More than 200 °C up to 420 °C	0.020 K	
		Thermocouple	From -40 °C up to 420 °C (*3)	0.3 K	
			From 200 °C up to 1100 °C (*5)	0.8 K	

#All Calibration Procedures are in-house procedures developed by this laboratory.
(*1) Temperature converted from the ratio of the resistance $R(T_{90})$ to R (273.16K), $W(T_{90})$
(*2) Temperature converted from resistance $R(T_{90})$
(*3) Calibration using working standard of platinum resistance thermometer
(*4) Calibration using standard of thermocouple
(*5) Calibration using working standard of thermocouple
(*6) Type T Range From -40 °C up to 350 °C