Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0110 Calibration
Name of Conformity Assessment Body	Calibration Engineering Section, Miyagi Factory, Sato Keiryoki Mfg. Co., Ltd.
Name of Legal Entity	Sato Keiryoki Mfg. Co., Ltd. JCN 3010001017270
Inquiry Point	info@sksato.co.jp

*JCN: Japan Corporate Number

24・03・26-NITE-020
2024-09-27

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 0110 Calibration

Name of Conformity Assessment Body: Calibration Engineering Section,
Miyagi Factory, Sato Keiryoki Mfg. Co., Ltd.

Name of Legal Entity: Sato Keiryoki Mfg. Co., Ltd.

Location of Conformity Assessment Body: 25-1 Aza Nishigaoka, Oaza Murata, Murata-machi,
Shibata-gun, Miyagi 989-1304, JAPAN

Scope of Accreditation: Temperature, Humidity (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: 2024-09-28

Expiry Date of Accreditation: 2028-09-27

Date of Initial Accreditation: 2002-05-13

K. Horisaka

HORISAKA Kazuhide
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: Humidity
Date of Initial Accreditation of the Field: 2002-05-13
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 %)
Humidity Measuring Instrument, etc.	Dew point hygrometers	Dew point from -10 °C less than 0 °C	0.16 °C
		Dew point from 0 °C up to 20 °C	0.13 °C
		Relative humidity from 30 % up to 40 % at calibration temperature 23 °C	0.5 %
		Relative humidity more than 40 % up to 60 % at calibration temperature 23 °C	0.8 %
		Relative humidity more than 60 % up to 90 % at calibration temperature 23 °C	1.1 %
	Electronic hygrometers	Relative humidity from 10 % up to 40 % at calibration temperature 23 °C Dew point above -10 °C	0.5 %
		Relative humidity more than 40 % up to 60 % at calibration temperature 23 °C	0.8 %
		Relative humidity more than 60 % up to 90 % at calibration temperature 23 °C	1.1 %
		Relative humidity from 10 % up to 50 % at calibration temperature 23 °C (*1) Dew point above -10 °C	1.2 %
		Relative humidity more than 50 % up to 70 % at calibration temperature 23 °C (*1)	1.5 %
		Relative humidity more than 70 % up to 90 % at calibration temperature 23 °C (*1)	2.0 %
		Dew point from -10 °C less than 0 °C at calibration temperature 23 °C	0.3 °C
		Dew point from 0 °C up to 20 °C at calibration temperature 23 °C	0.2 °C

#All Calibration Procedures are in-house procedures developed by this laboratory.
(*1) Calibration with temperature and humidity testing chambers

General Field of Calibration: Temperature
Date of Initial Accreditation of the Field: 2007-05-24
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	Temperature sensors with display unit (Comparison calibration)	From -80 °C less than -40 °C	0.16 °C
		From -40 °C less than 0 °C	0.10 °C
		From 0 °C up to 50 °C	0.08 °C
		More than 50 °C up to 100 °C	0.10 °C
		More than 100 °C up to 150 °C	0.11 °C
		More than 150 °C up to 200 °C	0.13 °C
	Temperature sensors with display unit (Comparison calibration) (*2)	From 0 °C up to 60 °C	0.2 °C
	Temperature sensors with display unit (Comparison calibration) (*3)	From 0 °C up to 60 °C	0.2 °C
	Liquid-in-glass thermometer	0 °C	0.07 °C
		More than 0 °C up to 50 °C	0.09 °C
		More than 50 °C up to 100 °C	0.10 °C
		More than 100 °C up to 150 °C	0.12 °C
		More than 150 °C up to 200 °C	0.14 °C

#All Calibration Procedures are in-house procedures developed by this laboratory.
(*2) Comparative calibration with cell
(*3) Comparative calibration with temperature testing chambers