

Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0346 Calibration
Name of Conformity Assessment Body	Murata Manufacturing Co., Ltd., Yasu Division
Name of Legal Entity	Murata Manufacturing Co.,Ltd. JCN 4130001030475
Inquiry Point	Quality assurance group Reliability Technology Center Reliability Technology Section 4) TEL: +81-77-586-8673 FAX: +81-77-586-8768

*JCN: Japan Corporate Number



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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 0346 Calibration

Name of Conformity Assessment Body: Murata Manufacturing Co.,Ltd., Yasu Division

Name of Legal Entity : Murata Manufacturing Co.,Ltd.

Location of Conformity Assessment Body: 2288 Oshinohara, Yasu-shi, Shiga 520-2393, JAPAN

Scope of Accreditation: Mass, Temperature, Humidity (as the following pages)

Accreditation Requirement: ISO/IEC 17025:2017*

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

Effective Date of Accreditation: 2024-10-13

Expiry Date of Accreditation: 2028-10-12

Date of Initial Accreditation: 2020-10-13

A handwritten signature in black ink, appearing to read 'K. Horisaka'.

HORISAKA Kazuhide

Chief Executive, International Accreditation Japan (IAJapan)

National Institute of Technology and Evaluation

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- 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: Mass

Date of Initial Accreditation of the Field: 2021-10-29

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 %)
Weight	Weight	20 kg	10 mg
		10 kg	5 mg
		5 kg	2.6 mg
		2 kg	1.0 mg
		1 kg	0.5 mg
		500 g	0.26 mg
		200 g	0.10 mg
		100 g	0.05 mg
		50 g	0.03 mg
		20 g	0.025 mg
		10 g	0.020 mg
		5 g	0.016 mg
		2 g	0.012 mg
		1 g	0.010 mg
		500 mg	0.0080 mg
		200 mg	0.0060 mg
		100 mg	0.0050 mg
		50 mg	0.0040 mg
		20 mg	0.0030 mg
		10 mg	0.0025 mg
		5 mg	0.0020 mg
		2 mg	0.0020 mg
		1 mg	0.0020 mg

#All Calibration Procedures are in-house procedures developed by this laboratory.

General Field of Calibration: Temperature

Date of Initial Accreditation of the Field: 2020-10-13

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 %)
Contact Type Thermometer	Resistance thermometer (Fixed-point calibration)	Platinum resistance thermometer (25 Ω , 100 Ω)	Triple point of water	1.6 mK
	Thermocouple (Comparison calibration)	R, K	From 500 °C Up to 1100 °C	1.3 °C
		E	From 500 °C Up to 700 °C	1.3 °C
	Temperature sensor with display unit (Comparison calibration)	From -80 °C up to 140 °C		0.03 °C
		More than 140 °C up to 420 °C		0.04 °C

#All Calibration Procedures are in-house procedures developed by this laboratory.

General Field of Calibration: Humidity

Date of Initial Accreditation of the Field: 2024-10-13

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 up to 23 °C		Dew Point 0.20 °C
	Electronic Hygrometers	Calibration temperatures From 20 °C less than 25 °C (Dew point is -10 °C up to 23 °C)	Relative humidity From 10 % up to 20 %	Relative Humidity 0.6 %
			Relative humidity More than 20 % up to 40 %	Relative Humidity 0.7 %
			Relative humidity More than 40 % up to 60 %	Relative Humidity 0.9 %
			Relative humidity More than 60 % up to 80 %	Relative Humidity 1.2 %
			Relative humidity More than 80 % up to 95 %	Relative Humidity 1.4 %

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