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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 0214 Calibration

Name of Conformity Assessment Body: Calibration Services, Technology Center,
OHTE GIKEN, INC.

Name of Legal Entity: OHTE GIKEN, INC.

Location of Conformity Assessment Body: 1-25-12 Kannondai, Tsukuba, Ibaraki 300-0856, JAPAN

Scope of Accreditation: Mass, Pressure, 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: 2023-02-14

Expiry Date of Accreditation: 2027-02-13

Date of Initial Accreditation: 2008-06-11

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: Mass

Date of Initial Accreditation of the Field: 2009-09-01

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 %) (Conventional Mass)
Weight	Weight	1 mg	0.005 mg
		2 mg	0.005 mg
		5 mg	0.005 mg
		10 mg	0.005 mg
		20 mg	0.005 mg
		50 mg	0.005 mg
		100 mg	0.010 mg
		200 mg	0.010 mg
		500 mg	0.010 mg
		1 g	0.050 mg
		2 g	0.050 mg
		5 g	0.15 mg
		10 g	0.15 mg
		20 g	0.15 mg
		50 g	0.15 mg
		100 g	0.15 mg
		200 g	0.20 mg
		500 g	2.0 mg
		1 kg	2.0 mg
		2 kg	3.0 mg
	5 kg	10 mg	
	10 kg	25 mg	
	Deadweight	From 1 mg up to 2 g	0.05 mg
		More than 2 g up to 200 g	0.5 mg
		More than 200 g up to 1 kg	4.0 mg
		More than 1 kg up to 2 kg	6.0 mg
		More than 2 kg up to 5 kg	15 mg
More than 5 kg up to 15 kg		50 mg	

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

General Field of Calibration: Pressure

Date of Initial Accreditation of the Field: 2008-06-11

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 %)	
Pressure Gauge	Pressure Balance	Gas	Gauge Pressure	From 10 kPa up to 350 kPa	The larger one of the two 0.0035 % or 1.0 Pa	
				More than 350 kPa up to 7000 kPa	The larger one of the two 0.0037 % or 19 Pa	
		Liquid	Gauge Pressure	From 0.1 MPa up to 100 MPa	The larger one of the two 0.0060 % or 0.60 kPa	
				More than 100 MPa up to 200 MPa	0.0070 %	
				More than 200 MPa up to 350 MPa	0.010 %	
				More than 350 MPa up to 400 MPa	0.013 %	
		Pressure Gauges (Digital Pressure Gauges, Pressure Transducers)	Gas	Absolute Pressure	From 10 kPa up to 7000 kPa	The larger one of the two 0.0040 % or 4.0 Pa
					From -90 kPa up to -10 kPa	10 Pa
	Gauge Pressure			From 10 kPa up to 7000 kPa	The larger one of the two 0.0040 % or 1.0 Pa	
			Liquid	Absolute Pressure	From 0.2 MPa up to 100 MPa	The larger one of the two 0.0060 % or 0.60 kPa
	More than 100 MPa up to 200 MPa				0.0070 %	
	More than 200 MPa up to 350 MPa				0.010 %	
	More than 350 MPa up to 400 MPa				0.013 %	
	Gauge Pressure		Gauge Pressure	From 0.1 MPa up to 100 MPa	The larger one of the two 0.0060 % or 0.60 kPa	
				More than 100 MPa up to 200 MPa	0.0070 %	
				More than 200 MPa up to 350 MPa	0.010 %	
				More than 350 MPa up to 400 MPa	0.013 %	
	Mechanical Type Pressure Gauges		Gas	Gauge Pressure	From -90 kPa up to -10 kPa	100 Pa
		From 10 kPa up to 7000 kPa			0.10 % of maximum pressure	
		Liquid	Gauge Pressure	From 0.1 MPa up to 200 MPa	0.10 % of maximum pressure	

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

COPYGeneral Field of Calibration: TemperatureDate of Initial Accreditation of the Field: 2013-09-05Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facilityCalibration 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 0 °C up to 100 °C	0.050 K

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