

Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0180 Calibration
Name of Conformity Assessment Body	OVAL Corporation
Name of Legal Entity	OVAL Corporation JCN 4011101003936
Inquiry Point	<p>< Gas flow meters ></p> <p>SYSTEM ENGINEERING DIV. SYSTEM ENGINEERING GROUP 1</p> <p>TEL: +81-45-785-7622 FAX: +81-45-788-2877</p> <p>< Liquid flow meters ></p> <p>INSPECTION DIV. PRODUCT INSPECTION GROUP</p> <p>TEL: +81-45-785-7238 FAX: +81-45-785-7237</p>

*JCN: Japan Corporate Number



23·09·22-NITE-008
2024-03-03

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 0180 Calibration

Name of Conformity Assessment Body: OVAL Corporation

Name of Legal Entity: Same as above

Location of Conformity Assessment Body: 1-9-5 Fukuura, Kanazawa-ku, Yokohama-shi, Kanagawa
236-8645, JAPAN

Scope of Accreditation: Fluid flow (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: 2024-03-03

Expiry Date of Accreditation: 2028-03-02

Date of Initial Accreditation: 2010-06-03

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: Fluid flow

Date of Initial Accreditation of the Field: 2010-06-03

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 %)
Gas flow meters	Gas flow meters	Critical flow venturi nozzles	Humid air	From 30 kPa(abs) up to 110 kPa(abs)	From 5 m ³ /h up to 200 m ³ /h	0.33 %
		Flow meters	Humid air	From 95 kPa(abs) up to 110 kPa(abs)	From 5 m ³ /h up to 1000 m ³ /h	0.29 %
Liquid flow meters	Oil flow meters (Kerosine), Oil flow calibration facilities (Kerosine)	Flow meters	From 3 m ³ /h less than 30 m ³ /h (From 0.66 kg/s less than 6.6 kg/s)			0.10 % (0.10 %)
			From 30 m ³ /h up to 300 m ³ /h (From 6.6 kg/s up to 66 kg/s)			0.09 % (0.09 %)
			More than 300 m ³ /h up to 530 m ³ /h (More than 66 kg/s up to 116 kg/s)			0.11 % (0.11 %)
			More than 530 m ³ /h up to 1800 m ³ /h (More than 116 kg/s up to 395 kg/s)			0.12 % (0.12 %)
		Calibration facilities	From 3 m ³ /h up to 530 m ³ /h			0.07 %
			More than 530 m ³ /h up to 1800 m ³ /h			0.09 %
	Oil flow meters (Gasoline), Oil flow calibration facilities (Gasoline)	Flow meters	From 3 m ³ /h less than 30 m ³ /h (From 0.62 kg/s less than 6.2 kg/s)			0.15 % (0.15 %)
			From 30 m ³ /h up to 600 m ³ /h (From 6.2 kg/s up to 123.3 kg/s)			0.12 % (0.12 %)
		Calibration facilities	From 3 m ³ /h less than 30 m ³ /h			0.11 %
			From 30 m ³ /h up to 600 m ³ /h			0.10 %
	Oil flow meters (Fuel oil), Oil flow calibration facilities (Fuel oil)	Flow meters	From 3 m ³ /h up to 80 m ³ /h (From 0.75 kg/s up to 19.9 kg/s)			0.11 % (0.11 %)
			More than 80 m ³ /h up to 600 m ³ /h (More than 19.9 kg/s up to 149.2 kg/s)			0.13 % (0.13 %)
			More than 600 m ³ /h up to 1800 m ³ /h (More than 149.2 kg/s up to 447.5 kg/s)			0.15 % (0.15 %)
		Calibration facilities	From 3 m ³ /h up to 80 m ³ /h			0.09 %
More than 80 m ³ /h up to 600 m ³ /h			0.11 %			
More than 600 m ³ /h up to 1800 m ³ /h			0.13 %			
Water flow meters	Flow meters	From 0.3 m ³ /h up to 120 m ³ /h (From 0.083 kg/s up to 33.33 kg/s)			0.26 % (0.26 %)	

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