

Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0180 Calibration
Date of Initial Accreditation	2010-06-03
Effective Date of Accreditation	2020-03-03
Expiry Date of Accreditation	2024-03-02
Name and Location of Conformity Assessment Body	Accredited Business Division., OVAL Corporation 9-5 Fukuura 1-chome, Kanazawa-ku, Yokohama 236-8645, Japan
Name of Legal Entity	OVAL Corporation JCN 4011101003936
Inquiry Point	Accredited Business Division Tel: +81-45-785-7235 FAX: +81-45-788-2877
Accreditation Requirement	ISO/IEC 17025:2017 and Accreditation Requirements in the Section 6 of Accreditation Scheme (JCSS) 2nd Edition (Calibration)
Accreditation Scope	As attached

*JCN : Japan Corporate Number

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.