

Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0169 Calibration
Name of Conformity Assessment Body	Tokyo Aircraft Instrument Co., Ltd.
Name of Legal Entity	Tokyo Aircraft Instrument Co., Ltd. JCN 8012301008250
Inquiry Point	Calibration Section, Quality Assurance Department TEL: +81-42-798-6630      FAX: +81-42-798-6641

\*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 0169 Calibration

Name of Conformity Assessment Body: Tokyo Aircraft Instrument Co., Ltd.

Name of Legal Entity: Same as above

Location of Conformity Assessment Body: 2-2-6 Oyamagaoka , Machida-shi,  
Tokyo 194-0296, JAPAN

Scope of Accreditation: Pressure (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: 2020-01-27

Expiry Date of Accreditation: 2024-01-26

Date of Initial Accreditation: 2005-12-26

SAKAMOTO Kozo

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: Pressure

Date of Initial Accreditation of the Field: 2005-12-26

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 4.9 kPa less than 8.7 kPa	3.5 Pa
			From 8.7 kPa up to 170 kPa	The larger one of the two 0.0028 % or 1.5 Pa
			More than 170 kPa up to 690 kPa	0.0038 %
			More than 690 kPa up to 6900 kPa	0.0037 %
		Gas Absolute Pressure	From 4.9 kPa less than 8.7 kPa	4.2 Pa
			From 8.7 kPa up to 170 kPa	The larger one of the two 0.0035 % or 2.5 Pa
			More than 170 kPa up to 690 kPa	0.0034 %
			More than 690 kPa up to 7000 kPa	0.0035 %
	Pressure Gauges (Digital Pressure Gauges, Pressure Transducers)	Gas Differential Pressure	From 10.0 Pa up to 10.0 kPa [Line Pressure: 100 kPa ± 10 kPa (Absolute Pressure)]	0.70 Pa
			From - 100 kPa up to - 2.0 kPa [Line Pressure: 100 kPa ± 10 kPa (Absolute Pressure)] Comment: Line Pressure $\geq$   FS of Differential Pressure   + 5 kPa	5.8 Pa
		Gas Gauge Pressure	From - 95 kPa up to - 2.0 kPa	7.0 Pa
			From 4.9 kPa less than 8.7 kPa	3.5 Pa
			From 8.7 kPa up to 170 kPa	The larger one of the two 0.0030 % or 2.1 Pa
			More than 170 kPa up to 690 kPa	0.0044 %
			More than 690 kPa up to 6900 kPa	0.0042 %

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

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range		Expanded Uncertainty (Level of Confidence Approximately 95 %)
Pressure Gauge	Pressure Gauges (Digital Pressure Gauges, Pressure Transducers)	Gas Absolute Pressure	From 4.9 kPa less than 8.7 kPa	4.2 Pa
			From 8.7 kPa up to 270 kPa	The larger one of the two 0.0035 % or 3.5 Pa
			More than 270 kPa up to 700 kPa	0.0038 %
			More than 700 kPa up to 7000 kPa	0.0036 %
		Liquid Gauge Pressure	From 2.0 MPa less than 4.9 MPa	0.79 kPa
			From 4.9 MPa up to 20 MPa	The larger one of the two 0.0067 % or 0.67 kPa
			More than 20 MPa up to 70 MPa	0.0070 %
		Mechanical Type Pressure Gauges	Gas Gauge Pressure	From - 95 kPa up to - 2.0 kPa
	From 4.9 kPa up to 500 kPa			78 Pa
	More than 500 kPa up to 2000 kPa			0.30 kPa
	More than 2000 kPa up to 6900 kPa			1.1 kPa
	Gas Absolute Pressure		From 4.9 kPa up to 106 kPa	18 Pa
	Liquid Gauge Pressure		From 2.0 MPa up to 10 MPa	1.6 kPa
			More than 10 MPa up to 20 MPa	3.1 kPa
			More than 20 MPa up to 50 MPa	7.8 kPa

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