

Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0184 Calibration
Date of Initial Accreditation	2013-08-01
Effective Date of Accreditation	2020-02-04
Expiry Date of Accreditation	2024-02-03
Name and Location of Conformity Assessment Body	Tokyo Metropolitan Industrial Technology Research Institute 2-4-10 Aomi, Koto-ku, Tokyo 135-0064, Japan
Name of Legal Entity	Same as Above JCN 6010605002434
Inquiry Point	Technological Development Support Division, Engineering Validation Sector, Quality Assurance Management Tel: +81-3-5530-2193      FAX: +81-3-5530-2381
Accreditation Requirements	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: LengthDate of Initial Accreditation of the Field: 2015-06-12Permanent Laboratory/On-site Calibration: Permanent LaboratoryCalibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Length Measuring Instrument	Calipers	Up to 600 mm	0.02 mm
	Micrometers	Up to 25 mm	0.5 $\mu\text{m}$
		More than 25 mm up to 100 mm	2 $\mu\text{m}$
	Dial gauges	Up to 5 mm	0.7 $\mu\text{m}$
		More than 5 mm up to 50.8 mm	1.6 $\mu\text{m}$
		More than 50.8 mm up to 100 mm	2.4 $\mu\text{m}$
	Dial test indicators	Up to 1.6 mm	2 $\mu\text{m}$
	Cylinder gauges	From 6 mm up to 400 mm	1.3 $\mu\text{m}$
	Depth gauges	Up to 300 mm	0.02 mm
	Height gauges	Up to 1000 mm	0.014 mm
	Calibration testers for dial gauges	Up to 25 mm	0.3 $\mu\text{m}$
	Calibration apparatus for extensometers	Up to 25 mm	0.4 $\mu\text{m}$
		More than 25 mm up to 100 mm	0.6 $\mu\text{m}$
	Gauge Blocks (Comparison method)	From 0.5 mm up to 100 mm	0.14 $\mu\text{m}$
		More than 100 mm up to 250 mm	0.28 $\mu\text{m}$
	End Gauges with flat ends (Comparison method)	Up to 310 mm	0.6 $\mu\text{m}$
More than 310 mm up to 610 mm		0.8 $\mu\text{m}$	
More than 610 mm up to 1010 mm		1.1 $\mu\text{m}$	
Ring gauges	From 10 mm up to 200 mm	0.5 $\mu\text{m}$	
Plug gauges	From 1 mm up to 200 mm	0.6 $\mu\text{m}$	
Dimensional Measuring Instrument	Gauges for Coordinate measuring machines	Up to 310 mm	0.6 $\mu\text{m}$
		More than 310 mm up to 1010 mm	0.7 $\mu\text{m}$

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

General Field of Calibration: TemperatureDate of Initial Accreditation of the Field: 2013-08-01Permanent Laboratory/On-site Calibration: Permanent LaboratoryCalibration and Measurement Capabilities

Type of Service		Calibration Scope	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Contact Type Thermometer	Thermocouple (Comparison Calibration)	From 200 °C up to 1000 °C	2.5 °C

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

General Field of Calibration : Electricity (Direct Current & Low Frequency)

Date of Initial Accreditation of the Field: 2013-08-01

Permanent Laboratory/On-site Calibration: Permanent Laboratory

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Direct Current & Low Frequency Measuring Equipment, etc.	DC Resistor	1 $\Omega$	2.6 ppm
		100 $\Omega$	2.8 ppm
		10 k $\Omega$	2.7 ppm

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