

Name of Accreditation Program	JCSS Accreditation Program
Accreditation No.	JCSS0031
Date of Initial Accreditation	1994-05-02
Latest Date of Issue	2018-02-23
Name and Address of Accredited Organization	Utsunomiya Calibration Center, Techno-Service Business Division, Mitutoyo Corporation 2200-1 Shimoguri-machi, Utsunomiya-shi, Tochigi 321-0923, Japan JCN 7020001067105
Inquiry Point	Utsunomiya Calibration Center Tel: +81-28-656-1432 FAX: +81-28-656-8443
Accreditation Standards	ISO/IEC 17025:2005 (Calibration)
Accreditation Scope	As attached

*JCN : Japan Corporate Number

General Field of Calibration : Length

Date of Initial Accreditation of the Field : 1994-05-02

Permanent Laboratory/On-site Calibration : Permanent Laboratory

Type of Service		Calibration Scope	CMC (Level of Confidence Approximately 95 %) (L (mm):Nominal length)
Length Measuring Instrument	Gauge blocks (Interferometry method)	More than 500 mm up to 1000 mm	$(0.24+0.07 \times L/1000) \mu\text{m}$
	Gauge blocks (Comparison method)	From 0.5 mm up to 100 mm	0.06 μm
		More than 100 mm up to 1000 mm	$(0.04+0.00043 \times L) \mu\text{m}$
	End gauges with Flat ends (Interferometry method)	Up to 2100 mm	$(0.18+0.38 \times L/1000) \mu\text{m}$
	End gauges with Flat ends (Comparison method)	From 25 mm up to 1000 mm	$(0.4+L/1000) \mu\text{m}$
		From 0.5 mm up to 1060 mm	$(0.5+L/1000) \mu\text{m}$
	Standard Scale	Up to 350 mm	$(0.10+0.12 \times L/1000) \mu\text{m}$
		More than 350 mm up to 1000 mm	$(0.06+0.25 \times L/1000) \mu\text{m}$
	Micrometers	Up to 25 mm	0.3 μm
		More than 25 mm up to 500 mm	$(1.2+L/175) \mu\text{m}$
	Callipers	Up to 600 mm	0.02 mm
		More than 600 mm up to 1000 mm	0.03 mm
	Height gauges	Up to 600 mm	0.015 mm
		More than 600 mm up to 1000 mm	0.020 mm
	Depth gauges	Up to 600 mm	0.02 mm
		More than 600 mm up to 1000 mm	0.03 mm
	Calibration testers for dial gauges	Up to 5 mm	0.10 μm
		More than 5 mm up to 25 mm	0.21 μm
		More than 25 mm up to 100 mm	$(0.1+4.8 \times L/1000) \mu\text{m}$
	Dial gauges	Up to 5 mm	0.5 μm
		More than 5 mm up to 50.8 mm	1.1 μm
		More than 50.8 mm up to 100 mm	1.7 μm
	Dial test indicators	Up to 0.6 mm	0.5 μm
More than 0.6 mm up to 1.6 mm		1.3 μm	
Cylinder gauges	From 6 mm up to 400 mm	0.7 μm	
Electrical comparators	$\pm 5 \mu\text{m}$	0.15 μm	
	$\pm 200 \mu\text{m}$	0.2 μm	
	$\pm 2000 \mu\text{m}$	1.0 μm	
Ring gauges	From 6 mm up to 80 mm	0.7 μm	
	More than 80 mm up to 120 mm	0.8 μm	
Dimensional Measuring Instrument	Sphere (Average diameter)	From 2 mm less than 10 mm	0.06 μm
		From 10 mm up to 40 mm	$(0.024+2.6 \times L/1000) \mu\text{m}$