

# The ISO/IEC 17025 (JCSS) Accreditation List of Mitutoyo

QA-E140002 Rev.33.0  
 Drawing date: 2020-10-27  
 Mitutoyo Corporation  
 Quality Assurance Department

[Field of calibration]

## 1. Length

	Item	Scope	Accreditation No.	Date of Initial Accreditation	Remarks	
Metrological Standards Calibration Section	Laser Wavelength	Frequency stabilized laser in the 633 nm region	0067	2017-04-28	—	
		Frequency stabilized laser in the 532 nm region				
Miyazaki Plant	Gauge blocks	From 0.1 mm up to 1000 mm	0030	1994-05-02	Interferometry /Comparison	
	End gauges with Flat ends	More than 1 mm up to 2010 mm		2005-04-20	Interferometry	
		Up to 1 mm		2018-06-21		
Utsunomiya Calibration Center	Standard Scale	Up to 1000 mm	0031	1996-08-07	—	
	Gauge blocks	More than 500 mm up to 1000 mm		2003-03-25	Interferometry	
		From 0.5 mm up to 600 mm		1998-05-06	Comparison	
	End gauges with Flat ends	Up to 2100 mm		2003-03-25	Interferometry	
		From 0.5 mm up to 1060 mm		2000-12-21	Comparison	
	Micrometers (Including Micrometer Heads)	Up to 500 mm (Micrometer Head: Up to 25 mm)		2002-02-04	—	
	Calipers	Up to 1000 mm				
	Height gauges	Up to 1000 mm				
	Depth gauges	Up to 1000 mm				
	Calibration testers for dial gauges	Up to 100 mm				
	Dial gauges	Up to 100 mm				
	Dial test indicators	Up to 1.6 mm				
	Cylinder gauges	From 6 mm up to 400 mm			2005-04-20	
	Electrical comparators	±5 μm, ±200 μm, ±2000 μm				
	Ring gauges	From 6 mm up to 120 mm				
	Sphere (Average diameter)	From 2 mm up to 40 mm			2013-02-07	Interferometry /Comparison
	Kawasaki Calibration Center	Calibration testers for dial gauges		Indicator checker Up to 100mm	0086	2020-02-04
Hiroshima Calibration Center	Dial Gauges	Up to 100 mm	0109	2002-04-11	—	
	Dial Test Indicator	Up to 1.6 mm				
	Calibration Testers for Dial Gauges	Up to 25 mm				
	Calipers	Up to 1000 mm				
	Height Gauges	Up to 1000 mm				
	Micrometers (Including Micrometer Heads)	Up to 500 mm (Micrometer Head: Up to 25 mm)				
	Depth Gauge	Up to 1000 mm				2005-07-07
	End gauges with Flat ends	From 25 mm up to 1000 mm				
	Ring Gauges	From 6 mm up to 120 mm				
	Indicating Micrometers	Micrometer: Up to 100 mm Indicator: ±0.06 mm				2009-07-01
	Surface Texture	Depth: From 0.3 μm up to 20 μm				2017-08-03
Arithmetical mean deviation of the roughness profile: From 0.1 μm up to 5 μm						
Maximum height of the roughness profile: From 0.3 μm up to 20 μm						

	Item	Scope	Accreditation No.	Date of Initial Accreditation	Remarks	
Techno Services Business Division	Coordinate Measuring Machines (On-site Calibration) (Including Vision Measuring System)	Up to 10000 mm	0186	2006-12-27	-	
		Vision Measuring System: Up to 1000 mm				
	Surface Texture (Contact (stylus) Instrument)	Arithmetical Mean deviation of the roughness profile <i>Ra</i>		0.2 μm	2020-09-04	-
				0.5 μm		
				1.5 μm		
		Maximum height of the roughness profile <i>Rz</i>		1.5 μm		
2.5 μm						
	8.5 μm					

## 2. Temperature

	Item	Scope	Accreditation No.	Date of Initial Accreditation	Remarks
Metrological Standards Calibration Section	Resistance thermometer	From 0 °C up to 40 °C	0067	2018-08-30	Comparison
	Temperature sensors with display unit				

## 3. Hardness

	Item	Scope	Accreditation No.	Date of Initial Accreditation	Remarks
Hiroshima Calibration Center	Rockwell Hardness Reference Blocks	From 20 HRC up to 65 HRC	0109	2007-02-21	-
	Vickers Hardness Reference Blocks	From 85 HV up to 1050 HV (Test force from 0.9807 N up to 490.3 N)			
Techno Services Business Division	Rockwell Hardness Testing Machines (On-site Calibration)	From 20 HRC up to 65 HRC	0186	2019-03-22	-
	Vickers Hardness Testing Machines (On-site Calibration)	From 85 HV up to 1050 HV (Test force from 0.9807 N up to 490.4 N)			

Accreditation body of JCSS : IAJapan/NITE

- JCSS : Japan Calibration Service System
- IAJapan : International Accreditation Japan
- NITE : National Institute of Technology and Evaluation