

Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0065 Calibration
Date of Initial Accreditation	1996-04-03
Effective Date of Accreditation	2019-11-01
Expiry Date of Accreditation	2023-10-31
Name and Location of Conformity Assessment Body	CS Management Department, Shimadzu Corporation 1 Nishinokyo-kuwabara-cho, Nakagyo-ku, Kyoto 604-8511, Japan JCN 6130001021068
Name of Legal Entity	Shimadzu Corporation JCN 6130001021068
Inquiry Point	Measurement Management CS Management Department Tel: +81-75-823-1379 FAX: +81-75-823-2549
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: Mass

Date of Initial Accreditation of the Field: 1996-04-03

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 %)
Weight	Weight	20 kg	30 mg
		10 kg	15 mg
		5 kg	7.5 mg
		2 kg	3.0 mg
		1 kg	1.5 mg
		500 g	0.75 mg
		200 g	0.15 mg
		100 g	0.08 mg
		50 g	0.050 mg
		20 g	0.040 mg
		10 g	0.030 mg
		5 g	0.020 mg
		2 g	0.015 mg
		1 g	0.012 mg
		500 mg	0.010 mg
		200 mg	0.008 mg
		100 mg	0.008 mg
		50 mg	0.006 mg
		20 mg	0.005 mg
		10 mg	0.004 mg
	5 mg	0.004 mg	
	2 mg	0.004 mg	
	1 mg	0.004 mg	
	Deadweight	More than 10 kg up to 20 kg	30 mg
		More than 5 kg up to 10 kg	15 mg
		More than 2 kg up to 5 kg	7.5 mg
		More than 1 kg up to 2 kg	3.0 mg
		More than 500 g up to 1 kg	1.5 mg
		More than 200 g up to 500 g	0.75 mg
More than 100 g up to 200 g		0.15 mg	
More than 50 g up to 100 g		0.08 mg	
More than 20 g up to 50 g		0.075 mg	
More than 10 g up to 20 g	0.050 mg		
More than 5 g up to 10 g	0.040 mg		
More than 2 g up to 5 g	0.030 mg		
More than 1 g up to 2g	0.025 mg		
More than 500 mg up to 1 g	0.020 mg		
More than 200 mg up to 500 mg	0.020 mg		
More than 100 mg up to 200 mg	0.015 mg		

#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 %)
Weight (Continue)	Deadweight (Continue)	More than 50 mg up to 100 mg	0.012 mg
		More than 20 mg up to 50 mg	0.010 mg
		More than 10 mg up to 20 mg	0.008 mg
		More than 5 mg up to 10 mg	0.008 mg
		More than 2 mg up to 5 mg	0.006 mg
		More than 1 mg up to 2mg	0.004 mg
		1 mg	0.004 mg

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Permanent Laboratory/On-site Calibration: Permanent Laboratory, On-site Calibration Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)	
			Permanent Laboratory	On-site Calibration
Scale	Non-Automatic Electronic Weighing Instruments	From 1 g up to 5 g	0.08 mg	0.08 mg
		More than 5 g up to 10 g	0.14 mg	0.14 mg
		More than 10 g up to 50 g	0.27 mg	0.28 mg
		More than 50 g up to 100 g	0.37 mg	0.39 mg
		More than 100 g up to 150 g	0.34 mg	0.37 mg
		More than 150 g up to 220 g	0.45 mg	0.50 mg
		More than 220 g up to 300 g	0.62 mg	0.69 mg
		More than 300 g up to 400 g	0.78 mg	0.88 mg
		More than 400 g up to 490 g	0.93 mg	1.1 mg
		More than 490 g up to 1000 g	3.6 mg	3.8 mg
		More than 1 kg up to 2 kg	20 mg	21 mg
		More than 2 kg up to 5 kg	24 mg	26 mg
		More than 5 kg up to 10 kg	0.31 g	0.31 g

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