

Laboratory Calibration Laboratory, NSIC - Technical Services Centre, The National Small Industries Corporation Limited, Aji Industrial Area, Bhavnagar Road, Rajkot, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2685

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Validity 18.05.2018 to 17.05.2020

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I. DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)				
1.	Caliper [#] (Vernier/Dial/Digital) L.C.: 0.020 mm ^φ	Up to 300 mm	18.9 μ m	Using Gauge Block Set by Comparison Method
2.	Depth Gauge [#] (Vernier/Dial/Digital) L.C.: 0.020 mm	Up to 300 mm	18.9 μ m	Using Gauge Block Set & Surface Plate by Comparison Method
3.	Height Gauge [#] (Vernier/Dial/Digital) L.C.: 0.020 mm	Up to 300 mm	18.9 μ m	Using Gauge Block Set & Surface Plate by Comparison Method
4.	External Micrometer [#] L.C.: 0.001 mm	Up to 150 mm	3.3 μ m	Using Gauge Block Set by Comparison Method
5.	Dial Gauge [§] (Plunger Type) L.C.: 0.010 mm L.C.: 0.001 mm ^φ	Upto 25 mm Upto 5 mm	5.0 μ m 4.1 μ m	Using Dial Calibration Tester by Comparison Method
6.	Bore Gauge With Dial For Transmission Accuracy [§]	Upto 2.0 mm	3.8 μ m	Using Dial Calibration Tester by Comparison Method
7.	Plain Snap Gauges [§]	2 mm to 100 mm	1.0 μ m	Using Gauge Block Set by Comparison Method
8.	Feeler Gauge [§]	0.01 mm to 1 mm	11.1 μ m	Using Digital Micrometer by Comparison Method

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9.	Thread Plug Gauge [§]	2 mm to 100 mm	5.7 μ m	Using Floating Carriage Micrometer and TMW by Comparison Method
10.	Dial Gauge [§] (Lever Type) L.C.: 0.001 mm ^ϕ	0 to 1.0 mm	3.1 μ m	Using Dial Calibration Tester by Comparison Method

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

[§] Only in Permanent Laboratory

The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

^ϕ Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.