

Laboratory Alfa-Tech Calibration Laboratory, S. No. 138, Undale Complex, Warje Malwadi, Pune, Maharashtra
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number CC-2333 **Page** 1 of 2
Validity 10.08.2017 to 09.08.2019 **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.	Vernier Caliper [§] L.C.: 0.01 mm ϕ	0 to 600 mm	14.0 μ m	Using Slip Gauge & Caliper Checker
2.	Micrometer [§] L.C.: 0.001 mm ϕ	0 to 300 mm	3.00 μ m	Using Slip Gauge
3.	Depth Micrometer [§] L.C.: 0.001 mm ϕ	0 to 100 mm	4.40 μ m	Using Slip Gauge
4.	Height Gauge [§] L.C.: 0.01 mm ϕ	0 to 600 mm	14.0 μ m	Using Slip Gauge & Caliper Checker
5.	Dial Gauge [§] L.C.: 0.001 mm ϕ	0 to 25 mm	2.3 μ m	Using Dial Gauge Tester
6.	Lever Dial Gauge [§] L.C.: 0.001 mm ϕ	0 to 1 mm	2.1 μ m	Using Dial Gauge Tester
7.	Bore Gauge [§]	Transmission Accuracy 0 to 2 mm	2.4 μ m	Using Dial Gauge Tester
8.	Plug Gauge Plain [§]	0 to 100 mm	1.7 μ m	Using Slip Gauge & Electronic Comparator
9.	Measuring Pin [§]	0 to 15 mm	1.5 μ m	Using Slip Gauge & Electronic Comparator
10.	Feeler Gauge Set [§]	0.01 mm to 2.00 mm	1.5 μ m	Using Slip Gauge & Electronic Comparator

Mohit Kaushik
 Convenor

Avijit Das
 Program Director

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Certificate Number CC-2333 Page 2 of 2

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
11.	Snap Gauge [§]	0 to 100 mm	1.5 μ m	Using Slip Gauge
12.	Thickness Gauge [§] L.C.: 0.01mm	0 to 25 mm	6.1 μ m	Using Slip Gauge
13.	Depth Vernier Caliper [§] L.C. : 0.01 mm [¶]	0 to 300 mm	12.2 μ m	Using Slip Gauge
II.	TORQUE GENERATING DEVICES			
1.	Digital & Analogue Torque Wrench [§] Type – I & II, All Classes	0 to 2 Nm 2 Nm to 20 Nm 20 Nm to 200 Nm 200 Nm to 2000 Nm	0.9% 0.9% 0.9% 2.0%	Using Digital Torque wrench Tester as per IS -6789 :2003

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

[§]Only in Permanent Laboratory

[¶] 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.

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