

Laboratory Alfa-Tech Calibration Laboratory, S. No. 138, Opp. Bhagirathi Nagar, Undale Complex, Warje Malwadi, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Calibration **Issue Date** 21.07.2015

Certificate Number C-0316 **Valid Until** 20.07.2017

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. Vernier Caliper [§] L.C. 0.01mm ^Φ	0 to 600 mm	14.0 μ m	Using Slip Gauge & Caliper Checker by Comparison Method
2. Micrometer [§] L.C. 0.001mm ^Φ	0 to 300 mm	3.0 μ m	Using Slip Gauge by Comparison Method
3. Depth Micrometer [§] L.C. 0.001mm ^Φ	0 to 100 mm	4.4 μ m	Using Slip Gauge by Comparison Method
4. Height Gauge [§] L.C. 0.01mm ^Φ	0 to 600 mm	14.5 μ m	Using Slip Gauge Set & Caliper Checker by Comparison Method
5. Dial Gauge [§] L.C. 0.001mm ^Φ	0 to 25 mm	3.0 μ m	Using Dial Calibration Tester by Comparison Method
6. Lever Dial Gauge [§] L.C. 0.001mm ^Φ	0 to 1 mm	2.1 μ m	Using Dial Calibration Tester by Comparison Method
7. Bore Gauge [§] L.C. 0.001mm	Transmission Accuracy 0 to 2 mm	2.5 μ m	Using Dial Calibration Tester by Comparison Method
8. Plain Plug Gauge [§]	Upto 100 mm	1.5 μ m	Using Slip Gauge & Electronic Comparator Stand by Comparison Method

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Convenor

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Program Manager

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9. Measuring Pin [§]	Upto 15 mm	1.5 μ m	Using Slip Gauge & Electronic Comparator Stand by Comparison Method
10. Feeler Gauge Set [§]	0.01 mm to 2.00 mm	1.5 μ m	Using Slip Gauge & Electronic Comparator Stand by Comparison Method
11. Snap Gauge [§]	Upto 100 mm	1.6 μ m	Using Slip Gauge by Comparison Method
12. Thickness Gauge [§] L.C. 0.01mm	0 to 25 mm	6.0 μ m	Using Slip Gauge by Comparison Method
13. Venier Depth Gauge [§] L.C. 0.01 mm ^Φ	0 to 300 mm	12.5 μ m	Using Slip Gauge by Comparison Method
II. TORQUE			
1. Torque [§] Calibration of Digital & Analogue Torque Wrench	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 ISO 6789-2003 (Type I & II) All Classes

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

[§]Only in Permanent Laboratory

^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.

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