

Laboratory	Next Search Technology, D-17/1, Ashoka Enclave Main, Sector-35, Faridabad, Haryana		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Calibration	Issue Date	21.07.2015
Certificate Number	C-1239	Valid Until	20.07.2017
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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. Caliper ^{\$} (Vernier / Dial / Digital) L.C. 0.01mm ^Φ	Upto 300 mm Upto 600 mm	11.0 μ m 12.0 μ m	Using Caliper Checker by Calculation
2. Height Gauge ^{\$} L.C. 0.01 mm ^Φ	0-600 mm	13.0 μ m	Using Caliper Checker by Calculation
3. External Micrometer/ Point Micrometer/ Ball Micrometer ^{\$} L.C. 0.001 mm ^Φ	0 to 25 mm 25 mm to 100 mm 100 mm to 200 mm	2.0 μ m 3.0 μ m 4.0 μ m	Using Slip Gauge Set by Calculation
L.C. 0.01 mm	200 mm to 300 mm	8.0 μ m	
4. Plunger Type Dial Gauge ^{\$} L.C. 0.001 mm	0 to 1 mm	3.0 μ m	Using Dial Calibration Tester
L.C. 0.01 mm	0 to 10 mm 0 to 25 mm	6.0 μ m 7.0 μ m	
5. Lever Type Dial Gauge ^{\$} L.C. 0.001 mm ^Φ	0 to 1 mm	3.0 μ m	Using Dial Calibration Tester
6. Dial Bore Gauge ^{\$} (Travel Only) L.C : 0.001mm	0 to 1 mm 0 to 2 mm	3.0 μ m 6.0 μ m	Using Dial Calibration Tester
7. Snap Gauge ^{\$}	Upto 100 mm 100 mm to 200 mm	3.0 μ m 4.0 μ m	Using Slip Gauge Set

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8.	Pin Gauge Set \$	Upto 25 mm	3.0 μ m	Using Digital Micrometer
9.	Micrometer Setting Rod \$	Upto 200 mm	5.0 μ m	Using Comparator Stand with Dial & Slip Gauge Set
10.	Feeler Gauge \$	Upto 2 mm	3.0 μ m	Using Digital Micrometer
11.	Standard Foils \$	Upto 2 mm	2.5 μ m	Using Digital Micrometer
12.	Coating Thickness Gauge \$	Upto 700 μ m	2.5 μ m	Using Standard Foils
13.	Dial Thickness Gauge \$ L.C. 0.010 mm	0 to 25 mm	6.0 μ m	Using Slip Gauge Set
14.	Bevel Angle Protractor \$ L.C: 5 min	0-90°-0	7 min	Using Angle Gauge Set
15.	Thread Plug Gauge \$	Upto 50 mm	3.0 μ m	Using Thread Measuring Wire & Dig. Micrometer
16.	Depth Vernier Caliper \$ L.C. 0.02 mm	0 to 300 mm	15.0 μ m	Using Slip Gauge Set and Caliper Checker
17.	Depth Micrometer \$ L.C. 0.01 mm	0 to 150 mm	11.0 μ m	Using Slip Gauge Set and Caliper Checker
18.	Flush Pin Gauge \$	Upto 150 mm	3.0 μ m	Using Comparator Stand with Dial & Slip Gauge Set
19.	V Block \$ Symmetricity Squareness V-Parallelism	Upto 200 mm	6.0 μ m	Using Slip Gauge Set, Master Cylinder, Mandrel & Plunger Type Dial

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20. Dial Calibration Tester L.C. 1 μm ^{\$}	0 to 25 mm	2.0 μm	Using Slip Gauge Set & Plunger Type Dial
21. Sieves ^{\$}	4 mm to 125 mm	25.0 μm	Using Digital Vernier Caliper
22. Plain Plug Gauge ^{\$}	Upto 50 mm	3.0 μm	Using Digital Micrometer
23. Ultrasonic Thickness Gauge ^{\$}	Upto 200 mm	20.0 μm	Using Slip Gauge Set
24. Profile Projector [*] L.C. 0.001 mm Linear Angular Magnification	Upto 200 mm Upto 360 ° Upto 100 X	4.0 μm 1.3 min 0.2 %	Using Slip Gauge set, Angle Gauge & Digital Vernier Caliper
II. PRESSURE & VACUUM			
1. Pressure gauge / Pressure Indicator [#]	0 to 30 bar 0 to 700 bar	1.16 bar 2.40 bar	Using Digital Pressure Gauge & Pressure Pump by Comparison Method
2. Vacuum Gauge/ Vacuum Indicator [#]	-0.85 to 0 bar	0.015 bar	Using Digital Vacuum Gauge & Vacuum Pump by Comparison Method

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

^{*}Only for Site Calibration

^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.

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

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