

Laboratory **Glance Calibration Centre, Survey No. 213, Darshan Colony, Dighi Road, Bhosari, Pune, Maharashtra**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **CC-2383 (in lieu of C-0969)**

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Validity **23.09.2017 to 22.09.2019**

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)			
1.	Caliper ^s (Vernier /Dial/Digital) L.C.: 10 μm^ϕ	Up to 600 mm	14.9 μm	Using Caliper Checker & Gauge Block Set by Comparison Method
2.	Depth Vernier Caliper ^s (Vernier/ Dial/Digital) L.C.: 10 μm^ϕ	Up to 300 mm	12.2 μm	Using Gauge Block Set by Comparison Method
3.	Height Gauge ^s (Vernier/ Dial/ Digital) L.C.: 10 μm^ϕ	Up to 600 mm	14.5 μm	Using Caliper Checker & Gauge Block Set by Comparison Method
4.	External Micrometer ^s L.C.: 1 μm L.C.: 10 μm	Up to 150 mm Up to 300 mm	1.8 μm 6.5 μm	Using Gauge Block Set by Comparison Method
5.	Depth Micrometer ^s L.C.: 10 μm	Up to 300 mm	7.5 μm	Using Gauge Block Set by Comparison Method
6.	Micrometer Setting Rod ^s	Up to 300 mm	3.3 μm	Using Gauge Block, Electronic Probe & Comparator Stand by Comparison Method
7.	Dial Gauge ^s (Plunger Type) L.C.: 1.0 μm^ϕ	Up to 25 mm	2.2 μm	Using 'O' Grade Slip Gauge Block & Dial Calibration Tester by Comparison Method

Shally Sharma
Convenor

Avijit Das
Program Director

Laboratory

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8.	Dial Gauge ^s (Lever Type) L.C.: 1 μ m L.C.: 10 μ m	Up to 0.14 mm Up to 1.0 mm Up to 2.0 mm	2.2 μ m 2.2 μ m 2.8 μ m	Using 'O' Grade Slip Gauge Block & Dial Calibration Tester by Comparison Method
9.	Bore Gauge With Dial ^s (For Transmission Accuracy) L.C.: 1 μ m	0 to 1 mm	3.3 μ m	Using Dial Calibration Tester by Comparison Method
10.	Plain Plug Gauge ^s	Up to 300 mm	5.0 μ m	Using Gauge Block, Electronic Probe & Comparator Stand by Comparison Method
11.	Snap Gauge/Dial Snap Gauge ^s	Up to 300 mm	4.1 μ m	Using Gauge Block set by Comparison Method
12.	Measuring Pin ^s	1.005 mm to 20 mm	1.1 μ m	Using Gauge Block set & Electronic Probe by Comparison Method
13.	Thread Plug Gauge ^s (For Effective Dia.)	3 mm to 100 mm	4.8 μ m	Using FCDM /Cylindrical Setting Master/TMW by Comparison Method
14.	Dial Thickness Gauge ^s L.C.: 10 μ m	Up to 25.0 mm	5.9 μ m	Using Gauge Block Set by Comparison Method
15.	Feeler Gauge ^s	0 to 1 mm	2.6 μ m	Using Digital External Micrometer by Comparison Method

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16.	Bevel Protractor [§] L.C.: 1 min ^φ	0° - 90° - 0°	2.1 min. of arc	Using Angle Gauge Block by Comparison Method
17.	Combination Set [§] L.C.: 1°	0° to 180°	70 min. of arc	Using Angle Gauge Block by Comparison Method
18.	Pistol Caliper [§] L.C.: 100 μ m	0 to 50 mm	76 μ m	Using Gauge Block Set by Comparison Method
19.	Dial Calibration Tester [§] L.C.: 1 μ m	0 to 25 mm	0.9 μ m	Using Gauge Block Set & Electronic Probe by Comparison Method
20.	Standard Length Gauge/ Height Setting Master [§]	Up to 300 mm	4.3 μ m	Using Gauge Block Set, Electronic Probe & Comparator Stand by Comparison Method
21.	Taper Thread Plug Gauge [§] (For Effective Dia. At Gauge Plain)	Up to 88 mm (3" x 8 tpi)P	4.8 μ m	Using FCDM/Cylindrical Setting Master/TMW by Comparison Method
22.	V Block [§] (Parallelism of Top Surface w.r.t. Base) (Parallelism of V Groove w.r.t. Base)	Up to 200 mm length	11.6 μ m	Using Lever Type Dial Gauge, Surface Plate & Holding Stand Using Mandrel Lever Type Dial Gauge, Surface Plate & Holding Stand
23.	Foils [§]	0 to 2 mm	2.8 μ m	Using Digital Micrometer by Comparison Method

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24.	Surface Plate*	2500 mm x 1600 mm	$3.0 \sqrt{\frac{(L+W)}{100}} \mu\text{m}$ Where L & W in mm	Using Spirit Level (LC. 20 $\mu\text{m/m}$)
25.	Electronic Height Gauge* L.C.: 0.1 μm	0 to 600 mm	16.8 μm	Using Length Bar
26.	Bench Centre* Parallelism of Centre w.r.t. Base Co-axiality of Centre	0 to 300 mm 0 to 300 mm	18.0 μm 12.0 μm	Using Mandrel & Dial Gauge

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

§ Only in Permanent Laboratory

* Only for Site Calibration

Ⓞ 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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