

**Laboratory**                      **Lakshmi Precision Screws Limited, Hissar Road, Rohtak, Haryana**  
**Accreditation Standard**   **ISO/IEC 17025:2005**  
**Discipline**                      **Mechanical Calibration**                      **Issue Date**    **20.09.2014**  
**Certificate Number**        **C-0031**    **Valid Until**    **19.09.2016**  
**Last Amended on**         -    **Page**                **1 of 3**

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
<b>I. DIMENSION</b>			
1. Plain Plug Gauge <sup>§</sup>	Ø3 mm to Ø 50 mm	2.0 µm	Using Electronic Comparator as per IS: 3455
2. Plain Ring Gauge <sup>§</sup>	Ø4 mm to Ø 60 mm	5.5 µm	Using Bore Gauge as per IS: 3485
3. Thread Plug Gauge <sup>§</sup>	Ø3 mm to Ø 50 mm	5.0 µm	Using F.C.D.M M/C as per IS: 4218, 14962 & 2334
4. Caliper <sup>§</sup> L. C. 0.01 mm <sup>ϕ</sup> L. C. 0.02 mm	0 to 200 mm 0 to 300 mm	10.0 µm 14.0 µm	Using Gauge Blocks as per IS: 3651
5. Height Gauge <sup>§</sup> L. C. 0.01 mm <sup>ϕ</sup>	0 to 300 mm	10.0 µm	Using Gauge Blocks and Surface Plate as per IS: 2921
6. External Micrometer <sup>§</sup> L. C. 0.001 mm <sup>ϕ</sup>	0 to 50 mm	1.5 µm	Using Gauge Blocks as per IS: 2967
7. Internal Micrometer <sup>§</sup> L.C. 0.01 mm	5 mm to 30 mm	6.5 µm	Using External Micrometer (Digimatic) as per IS: 2966
8. Depth Micrometer <sup>§</sup> L. C. 0.01 mm	0 to 25 mm	6.5 µm	Using Gauge Block as per IS: JIS B 7544

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**Last Amended on**        -                      **Page**                **2 of 3**

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
9. Screw Thread Micrometer <sup>§</sup> L. C. 0.001 mm	0 to 25 mm	5.2 µm	Using Gauge Blocks, Thread Setting Plug Gauge as per IS: 2967
10. Dial Gauge <sup>§</sup> (Plunger Type) L. C. 0.01 mm L. C. 0.001 mm	0 to 10 mm 0 to 1 mm	4.0 µm 1.5 µm	Using Dial Calibrator & Gauge Blocks as per IS: 2092
11. Dial Gauge <sup>§</sup> (Lever Type) L. C. 0.01 mm L. C. 0.001 mm	0 to 1.0 mm 0 to 0.14 mm	4.0 µm 1.5 µm	Using Dial calibrator as per IS: 11498
12. Bore Gauge <sup>§</sup> (Travel 2 mm) L. C. 0.001 mm	Ø4 mm to Ø 60 mm	4.0 µm	Using Dial Calibrator as per JIS B 7515
13. Electronic Comparator <sup>§</sup> L.C. 0.0001 mm L. C. 0.001 mm	0 to 0.2 mm 0 to 1.0mm	0.4 µm 0.8 µm	Using Gauge Blocks Internal WI
14. Dial Calibration Tester <sup>§</sup> L. C. 0.001 mm	0 to 25 mm	1.5 µm	Using Gauge Blocks as per IS: 9483

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
<b>15. Profile Projector<sup>\$</sup></b>			
<b>Linear</b> <b>L.C. 0.001 mm</b>	0 to 50 mm	1.5 µm	Using Gauge Block/Glass Scale Angle Gauge as per IS: 9483
<b>Angular</b> <b>L.C. 1 min.</b>	0 to 360°	5.0'	Using Gauge Block/Glass Scale Angle Gauge as per IS: 9483

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

<sup>\$</sup>Only in Permanent Laboratory

<sup>φ</sup>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.