

Laboratory Maruti Calibration Centre, 596 'B', Behind Kolhapur Axle, MIDC Shirol, Kolhapur, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Calibration **Issue Date** 03.02.2017

Certificate Number C-0207 **Valid Until** 02.02.2019

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION (Basic Measuring Instrument , Gauge etc)			
1. CALIPERS^{\$} (Vernier / Dial/ Digital) L.C. 10 μ m	Up to 600 mm	16.0 μ m	Using Caliper Checker by Comparison Method
2. DEPTH GAUGE^{\$} (Vernier/Dial/ Digital) L. C. 20 μ m	Up to 200 mm	15.4 μ m	Using Slip Blocks & Surface plate by Comparison Method
3. HEIGHT GAUGE^{\$} (Vernier / Dial /Digital) L.C. 10 μ m	Up to 600 mm	16.0 μ m	Using Caliper Checker & Surface Plate by Comparison Method
4. EXTERNAL MICROMETER^{\$} L. C. 1 μ m L. C. 10 μ m	Up to 100 mm Up to 300 mm	1.3 μ m 7.0 μ m	Using Micrometer Check Set & Gauge Block by Comparison Method
5. MICROMETER SETTING RODS^{\$}	25 mm to 275 mm	2.7 μ m	Using Gauge Block & Electronic Probe with DRO & Comparator Stand by Comparison Method
6. DIAL GAUGE (Plunger Type)^{\$} L. C. 1 μ m L. C. 10 μ m	Up to 1 mm Up to 10 mm	2.0 μ m 3.0 μ m	Using Electronic Dial Calibration Tester by Comparison Method
7. DIAL GAUGE (Lever Type)^{\$} L. C. 1 μ m L. C. 10 μ m	Up to 0.14 mm Up to 1.0 mm	2.0 μ m 3.0 μ m	Using Electronic Dial Calibration Tester by Comparison Method
8 BORE GAUGE WITH DIAL^{\$} (For Transmission Accuracy) L. C. 1 μ m	Up to 1 mm	3.3 μ m	Using Electronic Dial Calibration Tester by Comparison Method

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
9. PLAIN PLUGE GAUGE / WIDTH GAUGE / O. D. MASTER/ HEIGHT PIECE ^{\$}	1 mm to 100 mm > 100 mm to 300 mm	2.4 µm 4.2 µm	Using Gauge Block & Electronic Probe with DRO by Comparison Method
10. SNAP GAUGE / I.D. MASTER ^{\$}	2 mm to 100 mm >100 mm to 300 mm	1.6 µm 3.9µm	Using Gauge Blocks by Comparison Method
11. PLAIN THREAD PLUG GAUGE ^{\$} (for effective Diameter)	3 mm to 100 mm	3.8 µm	Using FCDM., Thread Measuring Wires & Cylindrical Setting Masters by Comparison Method
12. PISTOL CALIPER ^{\$} L. C. 100 µm	0 to 50 mm	67.0 mm	Using Gauge Blocks by Comparison Method
13. FLUSH PIN GAUGE ^{\$}	Up to 200 mm	5.5 µm	Using Gauge Blocks & Electronic Probe with DRO & Comparator stand by Comparison Method
14. SURFACE PLATE [#]	3000 mm X 2000 mm	$3.4 \sqrt{\frac{L+W}{125}} \mu\text{m}$ L & W in mm	Using Electronic Level by Comparison Method

* Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%
^{\$} Only in Permanent Laboratory
[#] Only for Site Calibration