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|-------------------------------|--|--------------------|-------------------|
| Laboratory | Ravikiran Calibration Laboratory, 1965, MIDC Shirol, Near Inayat Roadlines, Kolhapur, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Mechanical Calibration | Issue Date | 23.09.2015 |
| Certificate Number | C-0250 | Valid Until | 22.09.2017 |
| Last Amended on | 26.10.2015 | Page | 1 of 3 |

| Quantity Measured/ Instrument | Range / Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|--|--|--|--|
| I. DIMENSION | | | |
| 1. CALIPER \$ (Vernier / Dial / Digital) L.C.10 μm^Φ | Upto 600 mm | 18.00 μm | Using Caliper Checker by Comparison Method |
| 2. DEPTH VERNIER CALIPER \$ (Vernier / Dial / Digital) L.C. 10 μm^Φ | Upto 300 mm | 16.00 μm | Using Gauge Block Set by Comparison Method |
| 3. HEIGHT GAUGE \$ (Vernier / Dial / Digital) L.C. 10 μm^Φ | Upto 600 mm | 19.00 μm | Using Caliper Checker by Comparison Method |
| 4. EXTERNAL MICROMETER \$ L.C.1 μm L.C.10 μm | Upto 200 mm Upto 150 mm > 150 mm to 300 mm > 150 mm to 600 mm | 4.0 μm 7.0 μm 10.0 μm 13.0 μm | Using Gauge Block Set, Mic Setting Std. by Comparison Method |
| 5. INTERNAL MICROMETER \$ L.C.10 μm | Upto 600 mm | 5.5 μm | Using Gauge Block ULM by Comparison Method |
| 6. DEPTH MICROMETER \$ L.C. 10 μm | Upto 150 mm | 8.5 μm | Using Gauge Block Set by Comparison Method |
| 7. PISTOL CALIPER \$ L.C.100 μm | Upto 100 mm | 60 μm | Using Gauge Block Set by Comparison Method |

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|--|---|--|---|
| 8. DIAL GAUGE \$ (Plunger / Digital Type) L.C. 1.0 μm ^Φ | Upto 10 mm | 2.30 μm | Using Electronic Dial Calibration Tester by Comparison Method |
| 9. DIAL GAUGE \$ (Lever Type) L.C. 1.0 μm L.C.2.0 μm L.C.10 μm | Upto 0.14 mm Upto 1.0 mm Upto 2.0 mm | 2.30 μm 3.00 μm 4.30 μm | Using Electronic Dial Calibration Tester by Comparison Method |
| 10. BORE GAUGE (Dial) \$ For Transmission Accuracy L.C.1.0 μm | 0 to 1.0 mm | 2.50 μm | Using Electronic Dial Calibration Tester by Comparison Method |
| 11. MIC. SETTING ROD / HEIGHT BLOCK \$ | Upto 150 mm >150 mm to 300 mm >300 mm to 600 mm | 4.0 μm 6.4 μm 9.2 μm | Using Gauge Block Digital Indicator & Comparator Stand, Electronic Ht. Gauge by Comparison Method |
| 12. FLUSH PIN GAUGE \$ (Height) | Upto 250 mm | 6.50 μm | Using Electronic Ht. Gauge by Comparison Method |
| 13. PLAIN PLUG / WIDTH GAUGE & SETTING MASTER \$ (Plug/OD) | 0 to 150 mm 150 mm to 300 mm 300 mm to 600 mm | 3.9 μm 6.3 μm 8.0 μm | Using Gauge Block, Digital Indicator & Comparator Stand, Electronic Ht. Gauge by Comparison Method |
| 14. FEELER GAUGE \$ | Upto 1 mm | 2.1 μm | Using Digital Micrometer by Comparison Method |

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| 15. | PLAIN RING GAUGE \$ | 5 mm to 250 mm | 2.7 μ m | Using LMM, Ring Gauge, Gauge Block by by Comparison Method |
| 16. | SNAP GAUGE/ SETTING MASTER ID \$ | 2 mm to 100 mm > 100 mm to 300 mm > 300 mm to 600 mm | 3.5 μ m 4.5 μ m 5.50 μ m | Using Gauge Block Set by Comparison Method |
| 17. | THREAD PLUG GAUGE PARALLEL \$ (For Effective Dia.) | 2 mm to 200 mm | 3.5 μ m | Using ULM, Thread Measuring Wires by Comparison Method |
| 18. | THREAD PLUG GAUGE TAPER \$ (For Effective Dia.) | Upto 75 mm | 3.70 μ m | Using FCDM/ Cylindrical Setting Master/ TMW by Comparison Method |
| 19. | ELECTRONIC HEIGHT GAUGE \$ L.C. 0.2 μm Φ | 0 to 600 mm | 7.02 μ m | Using Caliper Checker by Comparison Method |
| 20. | THREAD RING GAUGE \$ | Upto 100 mm | 3.5 μ m | Using ULM, Thread Measuring Stylus by Comparison Method |

* 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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