Laboratory	**Ravikiran Calibration Laboratory, 1965, M.I.D.C Shiroli, Kolhapur, Maharashtra**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**CC-2397** ***(in lieu of C-0250)*** **Page 1 of 3**
Validity	**18.09.2017 to 17.09.2019** **Last Amended on 30.10.2017**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**			
1.	Caliper[$] (Vernier/Dial/ Digital) L.C.10 µm[Φ]	Up to 600 mm	18 µm	Using Caliper Checker by Comparison Method
2.	Depth Caliper[$] (Vernier/Dial/ Digital) L.C. 10 µm[Φ]	Up to 300 mm	16 µm	Using Gauge Block Set by Comparison Method
3.	Height Gauge[$] (Vernier/Dial/ Digital) L.C. 10 µm[Φ]	Up to 600 mm	19 µm	Using Caliper Checker by Comparison Method
4.	External Micrometer[$] L.C.1 µm L.C.10 µm	Up to 200 mm Up to 150 mm > 150 mm to 300 mm > 300 mm to 600 mm > 600 mm to 800 mm	4 µm 7 µm 10 µm 13 µm 18 µm	Using Gauge Block Set, Mic. Setting Std. by Comparison Method
5.	Internal Micrometer[$] L.C.10 µm	Up to 600 mm	5.5 µm	Using LMM by Comparison Method
6.	Depth Micrometer[$] L.C. 10 µm	Up to 150 mm	6.5 µm	Using Gauge Block Set by Comparison Method
7.	Pistol Caliper[$] L.C.100 µm	Up to 100 mm	60 µm	Using Gauge Block Set by Comparison Method

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
8.	Dial Gauge[$] (Plunger/Digital Type) L.C. 1 µm [Φ]	Up to 10 mm	2.3 µm	Using Electronic Dial Calibration Tester by Comparison Method
9.	Dial Gauge[$] (Lever Type) L.C. 1.0 µm L.C. 2.0 µm L.C. 10 µm	 Up to 0.14 mm Up to 1.0 mm Up to 2.0 mm	 2.3 µm 3 µm 4.3 µm	Using Electronic Dial Calibration Tester by Comparison Method
10.	Bore Gauge (Dial) [$] For Transmission Accuracy L.C.1.0 µm [Φ]	Up to 1.0 mm	2.5 µm	Using Electronic Dial Calibration Tester by Comparison Method
11.	Mic. Setting Rod / Height Block[$]	Up to 150 mm >150 mm to 300 mm >300 mm to 600 mm >600 mm to 800 mm	2.5 µm 3.5 µm 8.0 µm 12 µm	Using Gauge Block, Electronic Probe & Comparator Stand, Electronic Height Gauge by Comparison Method
12.	Flush Pin Gauge[$]	Up to 200 mm	3.5 µm	Using Gauge Block, Electronic Probe & Comparator Stand by Comparison Method
13.	Plain Plug Gauge/ Width Gauge/ Setting Master[$] (Plug/OD)	Up to 150 mm > 150 mm to 300 mm > 300 mm to 600 mm	2.5 µm 3.5 µm 8 µm	Using Gauge Block, Electronic Probe, Comparator Stand, Electronic Ht. Gauge by Comparison Method
14.	Feeler Gauge[$]	Up to 1 mm	2.1 µm	Using Electronic Probe & Comparator Stand by Comparison Method

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
15.	Plain Ring Gauge[$]	5 mm to 250 mm	2.7 µm	Using LMM, Ring Gauge by Comparison Method
16.	Snap Gauge/ Setting Master (ID)[$]	2 mm to 150 mm > 100 mm to 300 mm > 300 mm to 600 mm	3.5 µm 4.5 µm 5.5 µm	Using Gauge Block Set by Comparison Method
17.	Thread Plug Gauge[$] (Parallel) (For Effective Dia.)	Up to 40 mm > 40 mm to 200 mm	3.56 µm 3 µm	Using FCDM/ Cylindrical Setting Master/ TMW by Comparison Method Using LMM, Thread Measuring Wires by Comparison Method
18.	Thread Plug Gauge[$] (Taper) (For Effective Dia.)	Up to 75 mm	3.7 µm	Using FCDM/ Cylindrical Setting Master/ TMW by Comparison Method
19.	Electronic Height Gauge[$] L.C. 0.2 µm[Φ]	Up to 600 mm	7.02 µm	Using Slip Gauge Blocks by Comparison Method

*** Measurement Capability is expressed as an uncertainty (±) 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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