Laboratory	**Perfect Calibration Lab, Sr. No. 7, Sai Datta Nagar, Tal Jai Pathar, Dhankawadi, Pune, Maharashtra**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**CC-2803** **Page 1 of 3**
Validity	**16.08.2018 to 15.08.2020** **Last Amended on -**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**			
1.	Measuring Pin[$]	0 to 20 mm	2.7 µm	Using Electronic Probe with D.R.O Comparator Stand, Gauge Block Set by Comparison Method as per IS 11103-1984
2.	Micrometer Setting Standard[$]	0 mm to 100 mm 100 mm to 275 mm	3.2 µm 5.4 µm	Using Electronic Probe with D.R.O Comparator Stand, Gauge Block Set & Length Bar by Comparison Method as per IS 2967-1983
3.	Thickness Foils[$]	0 to 1 mm	2.6 µm	Using Electronic Probe with D.R.O Comparator Stand by Direct Method as per IS 3179-1990
4.	Feeler Gauge[$]	0 to 1 mm	2.6 µm	Using Electronic Probe with D.R.O Comparator Stand by Direct Method as per IS 3179-1990
5.	V- Block[$] Symmetricity Parallelism	Up to 200 mm	8.8 µm	Using Straight Mandrel, Dial Indicator, Surface Plate by Direct Method as per IS-2949-1992
6.	Snap Gauge[$]	2 mm to 100 mm	2.5 µm	Using Slip Gauge by Comparison Method as per IS 3455-1971

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
7.	Plain Plug Gauge / Width Gauge / Height Setting Block[$]	0 mm to 150 mm	3.2 µm	Using Electronic Probe with D.R.O Comparator Stand, Slip Gauge by Comparison Method as per IS 3455-1971
8.	Calipers [$] (Vernier/Dial/Digital) L.C.: 10 µm L.C.: 20 µm	 0 to 300 mm 0 to 1000 mm	 14.0 µm 24.0 µm	Using Caliper Checker & Length Bar by Comparison Method as per IS 3651-1985
9.	Height Gauge[$] Vernier/Dial/Digital) L.C.: 20 µm	0 to 1000 mm	24.0 µm	Using Caliper Checker / Length Bar Set & Surface Plate by Comparison Method as per IS 2921-2016
10.	Depth Gauge [$] (Vernier/Dial/Digital) L.C.: 10 µm	0 to 300 mm	15.0 µm	Using Gauge Block Set & Surface Plate by Comparison Method as per IS 4213-1991
11.	Depth Micrometer [$] L.C.: 10 µm	0 to 50 mm	12.0 µm	Using Gauge Block Set & Surface Plate by Comparison Method as per JIS B 7544-1994
12.	External Micrometer [$] L.C.: 1 µm L.C.: 10 µm	 0 to 25 mm 25 mm to 300 mm	 1.7 µm 8.2 µm	Using Gauge Block Set, Length Bar Set & Optical Flat by Comparison Method as per IS 2967-1983
13.	Plunger Dial Gauge [$] L.C.: 1 µm	0 to 15 mm	3.30 µm	Using Electronic Dial Calibration Tester by Direct Method as per IS 2092-1983

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
14.	Pistol Caliper [$] L.C.: 100 µm	0 to 100 mm	80.0 µm	Using Gauge Block Set by Comparison Method
15.	Bevel Protractor[$] L.C.: 5 Min	0° - 90° - 0°	7 min	Using Angle Gauge Block & Surface Plate by Comparison Method as per IS 4239-1970
16.	Combination Set / Angle Protractor [$] L.C.: 60 min	0° - 180° - 0°	35 min	Using Angle Gauge Block & Surface Plate by Comparison Method

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%**
[$]Only in Permanent Laboratory

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