Residency, Jai Ganesh Vision, Akurdi, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

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Validity 28.05.2018 to 27.05.2020 Last Amended on -

SI. Quantity Measured / Range/Frequency \*Calibration Measurement Remarks

JI.	Instrument	Nange/Frequency	Capability (±)	Remarks	
	MECHANICAL CALIBRATION				
I.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)				
1.	Caliper <sup>\$</sup> (Vernier/Dial/Digital) L.C. 10 µm	0 to 600 mm	18 µm	Using Caliper Checker , Length Bar & External Micrometer by Comparison Method	
2.	Depth Caliper <sup>\$</sup> (Vernier/Dial/Digital) L.C. 10 μm	0 to 200 mm	13 µm	Using Depth Micro- Checker by Comparison Method	
3.	Height Gauge <sup>\$</sup> (Vernier/Dial/Digital) L.C. 10 μm	0 to 600 mm	14 µm	Using Caliper Checker long Gauge Block & Surface Plate by Comparison Method	
4.	External Micrometer \$ (Analog/Dial/Digital) L.C. 1 µm L.C. 10 µm	0 to 175 mm 0 to 400 mm	3 μm 6.4 μm	Using Gauge Block Set, Long Gauge Block, Electronic Probe & Comparator Stand by Comparison Method	
5.	Micrometer Setting Rod <sup>\$</sup>	25 mm to 375 mm	5.6 μm	Using Gauge Block Set, Long Gauge Block, Electronic Probe & Comparator Stand by Comparison Method	
6.	Depth Micrometer <sup>\$</sup> L.C. 1 µm	0 to 150 mm	7 μm	Using Depth checker by Comparison Method	

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SI.	Quantity Measured Instrument	/ Range/Frequency	*Calibration Measurement Capability (±)	Remarks
7.	Dial Thickness Gauge <sup>\$</sup> L.C. 10 μm	0 to 10 mm	7 μm	Using Gauge Block Set by Comparison Method
8.	Dial Snap Gauge <sup>\$</sup>	0 to 100 mm	3.8 µm	Using Gauge Block Set by Comparison Method
9.	Plain Plug Gauge <sup>\$</sup>	3 mm to 200 mm	3.8 μm	Using Gauge Block Set, Long Gauge Block, Electronic Probe & Comparator Stand by Comparison Method
10.	Thread Plug Gauge <sup>\$</sup>	2 mm to 100 mm	5.5 μm	Using FCDM, Cylindrical Setting Master & Thread Measuring Wires by Comparison Method
11.	Taper Thread Plug Gauge <sup>\$</sup>	2 mm to 100 mm	7.8 µm	Using FCDM, Cylindrical Setting Master & Thread Measuring Wires by Comparison Method
12.	Feeler Gauge <sup>\$</sup>	Up to 1 mm	5 μm	Using Digital Micrometer by Comparison Method
13.	Pistol Caliper <sup>\$</sup> L.C. 100 µm	Up to 100 mm	70 μm	Using Gauge Block Set by Comparison Method
14.	Bevel Protractor <sup>\$</sup> L.C. 5'	0° - 90° - 0°	3.0 arc min	Using Angle Gauge Block by Comparison Method

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SI.	Quantity Measured Anstrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
15.	Degree Protractor/ Combination Set <sup>\$</sup> L.C. 1 <sup>o</sup>	0° - 90° - 0°	35 arc min.	Using Angle Gauge Block by Comparison Method
16.	Electronic Height Gauge* L.C. 1.0 μm	0 to 600 mm	9.8 µm	Using Gauge Block Se & Long Gauge Block by Comparison Method
II.	PRESSURE INDICATING DEVICES			
1.	Vacuum Gauge#	(-) 0.86 bar to 0 bar	0.19 bar	Using Digital Vacuum Calibrator with Vacuum Pump by Comparison Method as per DKD R-6-1
2.	Pressure Gauge# (Hydraulic)	0 to 700 bar	11.1 bar	Using Digital Pressure Calibrator with Hydraulic Pump by Comparison Method as per DKD R-6-1

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SI.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
III.	WEIGHING SCALE AN			
1.	Electronic Weighing Balances* Readability 0.1 mg Readability 1 mg Readability 1 g Readability 10 g	0 to 200 g 0 to 1000 g 0 to 30 kg 0 to 30 kg	0.3 mg 1.6 mg 1.2 g 18 g	Using Calibration of electronic weighing balance of Class II and coarser as per OIML R-76-1

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

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

<sup>\*</sup>Only for Site Calibration

<sup>\*</sup>The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.