Laboratory	**Measure Tech Metrologies, 269, Anupparpalayam, Kattoor, Coimbatore, Tamil Nadu**			
Accreditation Standard	**ISO/IEC 17025: 2005**			
Certificate Number	**CC-2845**	**Page**	**1 of 4**	
Validity	**26.09.2018 to 25.09.2020**	**Last Amended on**	**-**	

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**			
1.	Calipers (Digital, Dial, Vernier) $ LC 0.01mm	0 to 600mm	13 µm	Using Caliper Checker by Comparison Method
2.	Micrometer $ LC 0.001mm	0 to 500mm	4.2 µm	Using Micrometer Check set/Gaugeblock'0'grade/ Long Gauge Block- by Comparison Method
3.	Plunger Dial Gauge$ LC 0.001mm LC 0.01mm	Upto 12.7mm Upto 25mm	1.9 µm 3.9 µm	Using Dial Calibrator Tester by Comparison Method
4.	Lever Dial $ LC 0.001mm	0 to 1.4mm	1.9 µm	Using Dial Calibrator Tester by Comparison Method
5.	Bore Gauge$ (Transmission Error Only) LC 0.001mm Span Dia 6mm-600mm	Upto 2mm	3.9 µm	Using Dial Calibrator Tester by Comparison Method

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
6.	Height Gauge[$] (Digital, Vernier, Dial) LC0.01mm	0 to 600mm	12 µm	Using Caliper Checker/Long Gauge Block'0' Grade by Comparison Method
7.	Depth Gauge [$] (Digital, Vernier) LC 0.01mm	0 to 300mm	11 µm	Using Caliper Checker/Long Gauge Block'0' Grade by Comparison Method
8.	Depth Micrometer[$] L C 0.001mm	0 to 150mm	3.7 µm	Using Caliper Checker/Long Gauge Block'0' Grade by Comparison Method
9.	Pistol Caliper[$]	0 to 100mm	41 µm	Using Gauge Block'0' Grade by Comparison Method
10.	Setting Rod[$]	Upto 500mm	5.8 µm	Using Dial Comparator/ Gaugeblock'0'grade/Long Gauge Block by Comparison Method

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
11.	Three Pin Micrometer[$] LC 0.001mm	6 mm to 75mm	5.6 µm	Using Master Setting Ring by Comparison Method
12.	Feeler Gauge[$]	0.01mm to 1mm	3.6 µm	Using Dial comparator/ Gaugeblock'0'grade by Comparison Method
13.	Dial Snap Gauge[$] LC 0.001	1mm to 200mm	2.4 µm	Using Gaugeblock'0'grade by Comparison Method
14.	Plain Plug Gauge[$]	3mm to 100mm	3.8 µm	Using Dial comparator/ Gaugeblock'0'grade by Comparison Method
15.	Cylindrical Measuring Pin[$]	1mm to 20mm	3.8 µm	Using Dial comparator/ Gaugeblock'0'grade by Comparison Method
16.	Foils[$]	0.01 to 5mm	3.6 µm	Using Dial comparator/ Gaugeblock'0'grade by Comparison Method
17.	Stick Micrometer[$] LC0.01mm	50 mm to 63mm	8.8 µm	Using Dial comparator/ Gaugeblock'0'grade by Comparison Method

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
18.	Inside Caliper/Groove Gauge[$] LC 0.005mm	6mm to 50mm	3.5 µm	Using Master Ring Gauge by Comparison Method
19.	Snap Gauge[$]	1mm to 100mm	2.1 µm	Using Gaugeblock'0'grade by Comparison Method
20.	2D Electronic Height Gauge[♣] LC0.0005 mm	0 to 600mm	7.2 µm	Using Gaugeblock'0'grade/Long Gauge Block by Comparison Method

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

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