

Laboratory Shree Venkatesh Engineering Works, Calibration Laboratory, Valsura Road, Jamnagar, Gujarat
Accreditation Standard ISO/IEC 17025: 2017
Certificate Number CC-2877 **Page** 1 of 2
Validity 26.10.2018 to 25.10.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)			
1.	Calipers [§] (Vernier/Dial/Digital) Error of External & Internal Jaws L.C.: 10 μ m	0 to 300 mm	10.2 μ m	Using Caliper Checker Gauge Blocks & Surface Plate by Comparison Method
2.	Depth Calipers [§] (Vernier/Dial/Digital) Error Along Working Length L.C.: 10 μ m	0 to 100 mm	8.3 μ m	Using Gauge Blocks Set & Surface Plate by Comparison Method
3.	Height Gauges [§] (Vernier/Dial/Digital) Error Along Working Length L.C.: 10 μ m	Upto 300 mm	11.0 μ m	Using Caliper Checker & Surface Plate by Comparison Method
4.	External Micrometer Micrometer Screw Error [§] L.C.: 1 μ m	0 to 100 mm	1.6 μ m	Using Gauge Blocks Set by Comparison Method
5.	Micrometer Setting Standard [§]	Upto 75 mm	1.5 μ m	Using Gauge Blocks Set Comparator & Surface Plate by Comparison Method
6.	Plunger Dial Gauge [§] L.C.: 1 μ m L.C.: 10 μ m	Upto 1 mm Upto 25 mm	3.8 μ m 6.9 μ m	Using Dial Calibration Tester by Comparison Method

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
7.	Lever Dial Gauge [§] L.C.: 1 μ m L.C.: 10 μ m	Upto 0.14 mm Upto 1.0 mm	3.7 μ m 7.9 μ m	Using Dial Calibration Tester by Comparison Method
8.	Plain Plug Gauge [§]	1 mm to 100 mm	1.9 μ m	Using Block Set & Comparator with Dial by Comparison Method
9.	Plain Ring Gauge [§]	0 to 100 mm	2.4 μ m	Using ULM & Master Ring Gauge by Comparison Method
10.	Thread Plug Gauge Effective Diameter [§]	1 mm to 100 mm	3.6 μ m	Using Floating Carriage Micrometer Cylindrical Setting Master & Thread Measuring Wires by Comparison Method
11.	Thread Ring Gauge Effective Diameter [§]	1 mm to 100 mm	2.4 μ m	Using ULM & Master Ring by Comparison Method
II.	PRESSUE INDUSTRIAL DEVICES			
1.	Industrial Pressure Gauge [§] (Hydraulic)	0 to 30 bar 0 to 300 bar	0.5 bar 2.69 bar	Using Digital Pressure Gauge & Hydraulic Comparator based on DKD R- -1

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

[§]Only in Permanent Laboratory