

Laboratory Mikronix Associates, W-10, M.I.D.C. Area, Chikalthana, Aurangabad, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Discipline Mechanical Calibration **Issue Date** 20.04.2015

Certificate Number C-0057 **Valid Until** 19.04.2017

Last Amended on - **Page** 1 of 3

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. SLIP GAUGES[§] (Tungsten Carbide)	0.5 mm to 25 mm	0.07 μ m	Using Gauge Block Calibrator & Slip Gauges By Comparison Method
	>25 mm to 50 mm	0.08 μ m	
	>50 mm to 75 mm	0.10 μ m	
	>75 mm to 100 mm	0.12 μ m	
	>100 mm to 250 mm	0.40 μ m	
2. SLIP GAUGES/ LENGTH BARS[§] (Steel/Ceramic)	0.5 mm to 25 mm	0.12 μ m	Using Gauge Block Calibrator & Slip Gauges By Comparison Method
	>25 mm to 50 mm	0.15 μ m	
	>50 mm to 75 mm	0.20 μ m	
	>75 mm to 100 mm	0.24 μ m	
	>100 mm to 200 mm	0.51 μ m	
	>200 mm to 300 mm	0.7 μ m	
	>300 mm to 400 mm	1.1 μ m	
>400 mm to 500 mm	1.3 μ m		
>500 mm to 1000 mm	2.9 μ m		
3. SLIP GAUGE ACCESSORIES[§]	0 to 25 mm	0.9 μ m	Using Comp. Stand with Gauge Blocks & Electronic Probe
FLATNESS	Up to length & Diameter 100 mm	0.6 μ m	Using Flat Base Plate & Electronic Probe

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Last Amended on - **Page** 2 of 3

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4. CALIPER CHECKER/ STEP GAUGE/ DEPTH CHECKER ^{\$}	0 to 300 mm 0 to 600 mm 0 to 1000 mm	1.5 μ m 2.4 μ m 4.1 μ m	Using Gauge Blocks & Linear Height Gauge Measuring Instrument By Comparison Method
5. GAUGE BLOCK CALIBRATOR [#] (For Long Gauge Block) L.C.: 0.01 μ m	0.5 mm to 100 mm	0.04 μ m	Using Gauge Block "Grade K" EAL- G21/Euramet cg-2
GAUGE BLOCK CALIBRATOR ^{\$} (For Long Gauge Block) L.C.: 0.1 μ m	100 mm to 1000 mm	0.16 μ m	
6. MEASURING PINS ^{\$}	0 to 20 mm	0.6 μ m	Using Gauge Blocks & Horizontal Length measuring machine
7. ELECTRONIC PROBE ^{\$} (LVDT) L.C.: 0.01 μ m	0 to 10 μ m	0.10 μ m	Using Standard Slip Gauge Blocks
L.C.: 0.1 μ m	0 to 200 μ m	0.12 μ m	
8. HORIZONTAL LENGTH MEASURING MACHINE ^{\$} L.C.: 0.1 μ m	0 to 25 mm	0.25 μ m	Using Standard Slip Gauge Block

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Last Amended on - **Page** 3 of 3

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9. ANGLE GAUGE ^{\$}	0° to 45° Up to 90°	2.8" of arc 2.7" of arc	Using Gauge Block By Trigonometric Method
10. SQUARENESS ^{\$} (Master Cylinder)	Up to 300 mm	1.0 μ m	Using Right Angle Fixture with Electronic Probe & Gauge Block Calibrator

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

^{\$}Only in Permanent Laboratory

[#]The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.