



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MIKRONIX ASSOCIATES, W-10, MIDC, CHIKALTHANA, AURANGABAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2102 Page No. : 1 / 6

Validity 20/04/2019 to 19/04/2021 Last Amended on -

S.No	Discipline / Group	Quantity Measured/ Instrument	Range / Frequency	* Calibration Measurement Capability(±)	Remarks
Permanent Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	ANGLE GAUGE BLOCK	0° to Up to 45°	± 2.9" of Arc to ± 2.9" of Arc	Trigonometric Method Using Gauge Blocks.
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	ANGLE GAUGE BLOCK	Above 45° to Up to 90°	±2.7" of Arc to ±2.7" of Arc	Trigonometric Method Using Gauge Blocks.
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Digital Linear Height Gauge Capacity 0-1000 mmL. C. 0.1 µm (for displacement of 50 mm travel only at different heights)	0 mm to 1000 mm	1.1 µm to 1.1 µm	Using Slip Gauge / Length Bar & Tungsten Carbide Flat Base.
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Electronic (LVDT) ProbeL.C. 0.01µm	0 µm to 10 µm	± 0.1 µm to ± 0.1 µm	Using Slip Gauge Blocks
5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Electronic (LVDT) ProbeL.C. 0.1µm	0 µm to 200 µm	± 0.12 µm to ± 0.12 µm	Using Slip Gauge Blocks
6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	HORIZONTAL LENGTH MEASURING MACHINEL.C. 0.1 µm	0 mm to 25 mm	± 0.24 µm to ± 0.24 µm	Using Slip Gauge Blocks



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7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Metric Slip Gauge (Tungsten Carbide)	Above 100 mm to Up to 250 mm	$\pm 0.40 \mu\text{m}$ to $\pm 0.40 \mu\text{m}$	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Metric Slip Gauge (Tungsten Carbide)	Above 25 mm to Up to 50 mm	$\pm 0.08 \mu\text{m}$ to $\pm 0.08 \mu\text{m}$	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Metric Slip Gauge (Tungsten Carbide)	Above 50 mm to Up to 75 mm	$\pm 0.10 \mu\text{m}$ to $\pm 0.10 \mu\text{m}$	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984
10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Slip Gauge Accessories	0 mm to Up to 25 mm	$\pm 1.0 \mu\text{m}$ to $\pm 1.0 \mu\text{m}$	Comp. stand with Gauge Blocks & Electronic Probe. IS:4440
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Slip Gauge Accessories (Flatness)	0 mm to Up to Length & Dia 100 mm	$\pm 0.7 \mu\text{m}$ to $\pm 0.7 \mu\text{m}$	Using Flat Base & Ele. Probe
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	LENGTHMEASURING PINS	0 mm to 20 mm	$\pm 0.6 \mu\text{m}$ to $\pm 0.6 \mu\text{m}$	Gauge Blocks & Horizontal measuring Instrument.as per IS 11103



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13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Master Square	0 mm to 600 mm	1.0 µm to 1.0 µm	Using Right Angle Fixture with Ele. Probe & Gauge Block Comparator.
14	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge (Tungsten Carbide)	> 75 to 100 mm	0.12µm	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984
15	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge (Tungsten Carbide)	Up to 25 mm	0.07µm	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984
16	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge / Length Bar (Steel / Ceramic)	> 100 to 200 mm	0.52µm	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984 / IS 7014
17	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge / Length Bar (Steel / Ceramic)	> 200 to 300 mm	0.71µm	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984 / IS 7014
18	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge / Length Bar (Steel / Ceramic)	> 25 to 50 mm	0.15µm	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984 / IS 7014
19	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge / Length Bar (Steel / Ceramic)	> 300 to 400 mm	1.0µm	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984 / IS 7014



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20	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge / Length Bar (Steel / Ceramic)	> 400 to 500 mm	1.12um	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984 / IS 7014
21	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge / Length Bar (Steel / Ceramic)	> 50 to 75 mm	0.20um	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984 / IS 7014
22	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge / Length Bar (Steel / Ceramic)	> 75 to 100 mm	0.24um	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984 / IS 7014
23	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge / Length Bar (Steel / Ceramic)	Up to 25 mm	0.12um	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984 / IS 7014
24	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Metric Slip Gauge / Length Bar (Steel)	> 500 to 1000 mm	2.9um	Using Gauge Block Calibrator and Slip Gauges by comparison method as per IS 2984 / IS 7014
25	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	LENGTHCALIPER CHECKER / STEP GAUGE / DEPTH CHECKER	0 to 1000 mm	4.1um	Gauge Blocks & Linear Height measuring Instrument by comparison method.
26	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	LENGTHCALIPER CHECKER / STEP GAUGE / DEPTH CHECKER	0 to 300 mm	1.7um	Gauge Blocks & Linear Height measuring Instrument by Comparison Method.



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27	MECHANICAL- DIMENSION (PRECISION INSTRUMENTS)	LENGTHCALIPER CHECKER / STEP GAUGE / DEPTH CHECKER	0 to 600 mm	2.6um	Gauge Blocks & Linear Height measuring Instrument by Comparison Method.
28	MECHANICAL- DIMENSION (PRECISION INSTRUMENTS)	LENGTHGAUGE BLOCK CALIBRATOR L.C.0.01/ 0.001µm	Capacity 0.5 to 100 mm / Range 0- 25 mm	0.03um	Grade 'K' Gauge Blocks. EAL-G21 / EURAMET cg-2
29	MECHANICAL- DIMENSION (PRECISION INSTRUMENTS)	LENGTHLONG SERIES GAUGE BLOCK CALIBRATORL.C. 0.1 µm	> 100 to 1000 mm	0.15um	Grade "K" Gauge Blocks



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Site Facility					
1	MECHANICAL- DIMENSION (PRECISION INSTRUMENTS)	GAUGE BLOCK CALIBRATOR L.C.0.01/ 0.001 µm At Site	Capacity 0.5 to 100 mm / Range 0-25 mm	0.03um	Grade 'K' Gauge Blocks. EAL-G21 / EURAMET cg-2 (If site Environmental Conditions are 20 ± 1°C)