

Laboratory	Global Calibration, 149 & 150, FF, Ashoka Plaza, Software Corporate Park, S. No. 32/2, Viman Nagar, Nagar Road, Pune, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Calibration	Issue Date	26.06.2015
Certificate Number	C-0652	Valid Until	25.06.2017
Last Amended on	11.09.2015	Page	1 of 3

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
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I. PRESSURE AND VACUUM

1. PRESSURE GAUGE / DIGITAL PRESSURE INDICATOR WITH SENSOR/ PRESSURE TRANSMITTER/ TRANSDUCER #	0 to 10 Bar	0.14 % rdg	Using Digital Pressure Gauge by Comparison Method
	10 Bar to 600 Bar	0.14 % rdg	Using Digital Pressure Gauge by Comparison
2. VACUUM GAUGE / DIGITAL VACUUM INDICATOR WITH SENSOR / PRESSURE TRANSMITTER / TRANSDUCER #	(-) 1.0 Bar to 0 Bar	0.76 % rdg	Using Digital Pressure Gauge by Comparison

II. DIMENSION

1. VERNIER CALIPER ^{\$} L.C.: 0.01 mm ^Φ	Upto 600 mm	13.7 μ m	Using Caliper Checker and slip gauge block by comparison method
2. OUT SIDE MICROMETER ^{\$} L.C.: 0.001 mm ^Φ	0 to 25 mm 25 mm to 150 mm	1.1 μ m 2.0 μ m	Using Micrometer Check Set by comparison method
3. HEIGHT GAUGE ^{\$} L.C.: 0.01 mm ^Φ	Upto 600 mm	13.5 μ m	Using Caliper Checker by comparison method
4. FEELER GAUGE ^{\$}	Upto 1 mm	2.6 μ m	Using Digital Micrometer by comparison method
5. LEVER DIAL GAUGE ^{\$} L.C.: 0.01 mm	0 to 1 mm	6.8 μ m	Using Dial Calibration Tester by comparison method
6. PLUNGER DIAL GAUGE ^{\$} L.C.: 0.01 mm	0 to 25 mm	7.4 μ m	Using Dial Calibration Tester by comparison method

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7. BORE GAUGE ^{\$} (Only transmission accuracy)	Upto 1 mm	5.3 μ m	Using Dial Calibration Tester by Comparison
8. DIAL THICKNESS GAUGE ^{\$} L.C.: 0.01 mm	Upto 10 mm	7.0 μ m	Using Slip Gauge Set by comparison method
9. INTERNAL MICROMETER ^{\$} L.C.: 0.01 mm	5 mm to 30 mm	7.1 μ m	Using Slip Gauge Set by comparison method
10. MEASURING PIN ^{\$}	Upto 20 mm	1.64 μ m	Using Slip Gauge and Electronic Comparator by comparison method
11. PLAIN PLUG GAUGE ^{\$}	Upto 100 mm	2.1 μ m	Using Slip Gauge Set and Electronic Comparator by comparison method
12. DEPTH VERNIER CALIPER ^{\$} L.C.: 0.01 mm ^Φ	Upto 300 mm	12.2 μ m	Using Slip Gauge Set, Caliper Checker by comparison method
13. MICROMETER SETTING STANDARDS / HEIGHT SETTING MASTER / WIDTH GAUGES / PARALLEL BLOCKS / LENGTH BAR (Inspection & Workshop Grade) ^{\$}	Upto 275 mm	2.94 μ m	Using Slip Gauge and Electronic Comparator by comparison method
14. V-BLOCK ^{\$} Parallelism Symmetry Squareness	Upto 100 mm Upto 100 mm Upto 100 mm	16.3 μ m 16.3 μ m 16.3 μ m	Using Plunger Dial Gauge, Square Cylinder and Mandrel by comparison method
15. COATING THICKNESS TESTER ^{\$}	Upto 1 mm	1.5 μ m	Using Standard Foils by comparison method
16. FOIL ^{\$}	Upto 8 mm	2.7 μ m	Using Digital Micrometer by comparison method

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III. ACCELERATION AND SPEED			
1. TACHOMETER ^{\$} (Non-Contact Type)	60 rpm to 61440 rpm	1 %	Using Tachometer Calibrator by Comparison method
2. STROBOSCOPE ^{\$}	60 rpm to 9999 rpm	2.13 % to 0.20 %	Using Tachometer by Comparison
IV. ACOUSTICS			
1. SOUND LEVEL METER ^{\$}	94 db	0.82 %	Using Sound Calibrator by direct method

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

^{\$}Only in Permanent Laboratory

*Only for Site Calibration

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

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