

Laboratory **Superintendence Company Of India (Private) Limited, Plot Y-23, Block-EP, Sector -V, Salt Lake City, Kolkata, West Bengal**

Accreditation Standard **ISO/IEC 17025:2005**

Discipline **Mechanical Calibration** Issue Date **01.06.2015**

Certificate Number **C-0157** Valid Until **31.05.2017**

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Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. VERNIER CALIPER			
L.C.: -0.01 mm	0 to 300 mm	15 μ m	Using Gauge Blocks & Caliper Checker
L.C.: -0.02 mm	0 to 600 mm	18 μ m	
2. EXTERNAL MICROMETER			
L.C.: -0.001 mm	0 to 25 mm	1.4 μ m	Using Gauge Blocks
L.C.: -0.01Φ	0 to 100 mm	2.4 μ m	
3. INTERNAL MICROMETER			
L.C.: -0.01 mm	50 mm to 600 mm	10.3 μ m	Using Gauge Blocks & Caliper Checker
4. DEPTH MICROMETER/ DEPTH GAUGE			
L.C.: -0.01 mm	0 to 300 mm	12.0 μ m	Using Gauge Blocks & Depth Checker
5. VERNIER HEIGHT GAUGE			
L.C.: -0.02 mm	0 to 600 mm	17.7 μ m	Using Caliper Checker
6. DIAL GAUGE (Plunger type)			
L.C.: -0.01 mm	0 to 50 mm	14.6 μ m	Using Dial Gauge Calibrator
7. DIAL THICKNESS GAUGE			
L.C.: -0.01 mm	0 to 10 mm	6.2 μ m	Using Gauge Blocks
8. COATING THICKNESS GAUGE			
	Up to 660 μ m	5.0 μ m	Using Standard Foils
9. THICKNESS FOILS			
	0 to 2 mm	1.9 μ m	Using Digital Micrometer

Anitha Jayanthan
Convenor

Avijit Das
Program Manager

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	Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
10.	BEVEL PROTRACTOR L.C: 5'	0 to 90 ⁰	2.9 min of arc	Using Angle Gauges
11.	FEELER GAUGE	0.05 mm to 1.00 mm	2.5 μ m	Using Digital Micrometer
12.	STEEL BALL (diameter only)	\varnothing 25 mm	4.0 μ m	Using Digital Micrometer
13.	PISTOL CALIPER L.C.: -0.1 mm	0 to 50 mm	60 μ m	Using Gauge Block
14.	GEAR TOOTH VERNIER L.C.: -0.02 mm	Up to 50 mm	15 μ m	Using Gauge Block
15.	FLANGE MICROMETER L.C.: -0.01 mm	0 to 100 mm	18 μ m	Using Gauge Block
16.	PERFORATED TEST SIEVE	4.35 mm to 100 mm	22 μ m	Using Digital Caliper
II. PRESSURE AND VACUUM				
1.	PRESSURE GAUGE	0 to 900 bar	1.52 % of Reading	Using Master Pressure Gauge As per DKD-R6-1

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

§Only in Permanent Laboratory

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