

Laboratory	Perfect Calibration Centre Pvt. Ltd., MIG 1366, 10th Phase, New Royakottai Hudco, Hosur, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Calibration	Issue Date	03.07.2014
Certificate Number	C-1088	Valid Until	02.07.2016
Last Amended on	-	Page	1 of 3

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. CALIPER (DIAL, DIGITAL, ANALOG) L. C. : 0.01 mm^φ L. C. : 0.01 mm^φ	0 to 300 mm 300 mm to 600 mm	11.5 μm 24.0 μm	Using Caliper Checker "0" Grade Slip Gauge. By Comparison Method
2. DEPTH VERNIER L. C. : 0.01 mm^φ	0 to 300 mm	8.8 μm	Using Caliper Checker "0" Grade Slip Gauge & Accessories By Comparison Method
3. HEIGHT GAUGES (DIGITAL /DIAL) L. C.: 0.01 mm^φ	0 to 600 mm	22.5 μm	Using Caliper Checker By Comparison Method
4. EXTERNAL / FLANGE/ BALL/BLADE/PITCH/ POINT MICROMETER L. C.: 0.001 mm^φ	0 to 150 mm	6.1 μm	Using "0" Grade Slip Gauge Block Accessories By Comparison Method
5. DEPTH MICROMETER L. C.: 0.01 mm^φ	0 to 150 mm	5.7 μm	Using Caliper Checker "0" Grade Slip gauges Block Accessories By Comparison Method

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6. INTERNAL MICROMETER/ STCK MICROMETER L. C.: 0.01 mm	0 to 600 mm	8.1 μ m	Using Caliper Checker "0" Grade Slip gauges Block Accessories By Comparison Method
7. PISTOL CALIPER L. C.: 0.1 mm	0 to 100 mm	60 μ m	Using "0" Grade Slip Gauge By Comparison Method
8. SNAP GAUGE/ ADJUSTABLE SNAP GAUGE	0 to 100 mm	1.7 μ m	Using "0" Grade Slip Gauge By Comparison Method
9. PLUNGER DIAL GAUGE/ INDICATOR L. C.: 0.001 mm ^Φ	0 to 25 mm	2.4 μ m	Using Dial Calibration Tester By Comparison Method
10. LEVER DIAL GAUGE/ INDICATORS L. C.: 0.001 mm ^Φ	0 to 1 mm	2.3 μ m	Using Dial Calibration Tester By Comparison Method
11. DIAL BORE GAUGE/ BORE GAUGE (TRANSMISSION ERROR)	1.5 mm	2.9 μ m	Using Dial Calibration Tester By Comparison Method

Avijit Das
Program Manager

Neeraj Verma
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Last Amended on	-	Page	3 of 3

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
12. FEELER GAUGE	0 to 1 mm	2.3 μ m	Using Micrometer By Comparison Method
13. DIAL THICKNESS GAUGE L. C.: 0.001 mm ^ϕ	0 to 50 mm	2.6 μ m	Using "0" Grade Slip Gauge By Comparison Method
14. HEIGHT MEASURING SYSTEM [‡] L. C.: 0.001 mm	0 to 600 mm	8.6 μ m	Using Caliper Checker By Comparison Method
II. PRESSURE & VACUUM			
1. PRESSURE GAUGE [‡]	0 to 40 bar 0 to 700 bar	0.16% rdg 0.15 % rdg	Using Digital Pressure Calibrator based on DKD R6-1
2. VACUUM GAUGE [‡]	-0.80 to 0 bar	0.85 % rdg	Using Digital Pressure Calibrator based as DKD R6-2

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

\$ Only in Permanent Laboratory

‡ Only for Site Calibration

^ϕ Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.