Laboratory	**Perfect Calibration Centre Pvt. Ltd., 417-B, 1st Floor,6th Street Extension,100 Feet Road, Gandhipuram, Coimbatore, Tamil Nadu**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Mechanical Calibration**	**Issue Date**	**03.07.2014**
Certificate Number	**C-1085**	**Valid Until**	**02.07.2016**
Last Amended on	**11.09.2015**	**Page**	**1 of 5**

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
I. DIMENSION			
1. CALIPER $ (Vernier / Dial / Digital) L.C.10 µm Φ	Upto 600 mm	10.0 µm	Using Gauge Block Set / Caliper Checker by Comparison Method
2. Depth Micrometer $ L.C. 10 µm Φ	0 to 150 mm	7.5 µm	Using Gauge Block, Caliper & Gauge Block Accessories by Comparison Method
3. EXTERNAL MICROMETER/ BALL MICROMETER/ BLADE MICROMETER/ FLANGE MICROMETER/ POINT MICROMETER $ L.C. 1 µm	0 to 150 mm 150 mm to 300 mm 300 mm to 600 mm	1.1 µm 5.5 µm 6.0 µm	Using Gauge Block Set / Length Bar Slip Gauge Block Accessories by Comparison Method
4. INTERNAL MICROMETER/ STICK MICROMETER $ MICROMETER HEAD EXTENSION ROD L.C.: 10 µm	Upto 100 mm Upto 200 mm 200 mm to 600 mm	3.2 µm 3.0 µm 5.1 µm	Using Gauge Block Set,"0" Grade ,Length Bar, Gauge Block Accessories & Dial Comparator by Comparison Method

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
5.	**DIAL GAUGE $ (Plunger / Digital Type) L.C. 1.0µm Φ**	0 to 25 mm	2.1 µm	Using Dial Calibration Tester by Comparison Method
6.	**DIAL GAUGE $ (Lever Type)**			
	L.C. 1.0 µm	0 to 0. 2mm	2.0 µm	Using Dial Calibration Tester by Comparison Method
	L.C. 10.0 µm	0 to 1 mm	3.5 µm	
7.	**PLAIN PLUG GAUGE/ WIDTH GAUGE $**	Ø 1 to Ø 120	2.5 µm	Using "0"Grade Gauge Block & Dial Comparator by Comparison Method
8.	**SNAP GAUGE/ ADJ. KNIFE EDGE GAUGE, LENGTH GAUGE , GAP GAUGE , DISTANCE GAUGE DEPTH GAUGE, BRIDGE GAUGE, FUSH PIN GAUGE $**	Upto 200 mm	3.5 µm	Using "0"Grade Gauge Block by Comparison Method
9.	**DIAL DEPTH GAUGE $ L.C.: 10 µm**	0 to 10 mm	3.2 µm	Using "0"Gauge Block by Comparison Method
10.	**FEELER GAUGE $**	0.3 mm to 1.0 mm	1.4 µm	Using Digital micrometer by Comparison Method
11.	**BORE GAUGE WITH DIAL$ (FOR TRANSMISSION)**	Upto 2 mm	2.0 µm	Using Dial Calibration Tester by Comparison Method

	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
12.	**DIAL THICKNESS GAUGE $ L.C.: 10 µm**	0 to 50 mm	3.2 µm	Using "0" Grade Gauge Block by Comparison Method
13.	**HEIGHT GAUGE $ L.C.: 10 µm Φ**	Upto 600mm	12.1 µm	Using Gauge Block & Calliper Checker by Comparison Method
14.	**PISTOL CALIPER $ L.C:10.0 µm Φ**	0 to 100 mm	3.2 µm	Using Gauge Block by Comparison Method
15.	**DEPTH VERNIER CALIPER $ (analogue/digital) L.C:10 µmΦ**	Upto 300 mm	11.0 µm	Using Gauge Block Set/Calliper Checker Gauge Block Accessories by Comparison Method
16.	**DIAL CALIPER GAUGE/INSIDE CALIPER $ L.C:10.0 µmΦ**	Upto 150 mm	3.9 µm	Using Slip Gauge & Slip Gauge Accessories by Comparison Method
17	**MEASURING PIN $**	Ø 0.1 to Ø 20	1.0 µm	Gauge block &dial comparator Comparison
18.	**CYLINDRICAL MASTER $**	Ø 3 to Ø 200	2.5 µm	Using Gauge Block& Dial Comparator by Comparison Method
19.	**COATING THICKNESS GAUGE $**	24 µm to 1014 µm	1.7 µm	Using Standard Foils by Comparison Method
20.	**FOILS $**	0 to 5mm	1.4 µm	Using Digital Micrometer by Comparison Method

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
21.	**MICROMETER SETTING ROD/SETTING PIECE** $	Upto 600 mm	3.8 µm	Using Gauge Block & Dial Comparator, Length bar by Comparison Method
22.	**DIAL CALIBRATION TESTER/ MICROMETER HEAD** $ **L.C:0.1 µm**Φ	Upto 25 mm	1.0 µm	Using Dial Comparator Stand, Gauge Block& Optical Flat by Comparison Method
23.	**THREE POINT MICROMETER** $	Ø 8 to Ø 100	3.3 µm	Using Setting Ring Gauge by Comparison Method
24.	**STEEL SCALE/ GLASS FIBER SCALE** $	Upto 1 meter	59 µm	Using Tape and Calibrator by Comparison Method
25.	**MEASURING TAPE** $	Upto 50m	(59x√L) Where L in m	Using Tape and Scale Calibrator by Comparison Method
26.	**PIE TAPE** $	Upto 30 m	(59x√L) Where L in m	Using Tape and Scale Calibrator by Comparison Method
27.	**SURFACE PLATE** ♣	3000 mm x 2000 mm	$2.4 \times \sqrt{\frac{L+W}{100}}$ µm	Using Sprit Level by Comparison Method
28.	**ELECTRONIC HEIGHT GAUGE** ♣ **L.C 0.1 µm**Φ	Upto 600 mm	4.3 µm	Using Length Bar & Slip Gauges by Comparison Method

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
II.	**PRESSURE AND VACUUM**			
1.	**PRESSURE GAUGE/ PRESSURE TRANSDUCER WITH INDICATOR / TRANSMITTER- PNEUMATIC -HYDRAULIC ♣**	0 to 15 bar 0 to 700 bar	0.60 % rdg 0.37 % rdg	Using Digital Pressure Calibrator by Comparison Method as per DKD-R6-1
2.	**VACUUM GAUGE/ COMPOUND GAUGE / VACUUM TRANSDUCER WITH INDICATOR / TRANSMITTER ♣**	-0.1 bar to -0.9 bar	0.86 % rdg	Using Digital Pressure Calibrator by Comparison Method ISO 3567 ,ISO 27893 DKD –R6-2
III.	**ACCELERATION AND SPEED**			
1.	**ROTATIONAL SPEED / CENTRIFUGE ♣**	100 rpm to 10000 rpm	0.17 % rdg	Using Digital Tachometer By Comparison Method

*** Measurement Capability is expressed as an uncertainty (±) 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.

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